

**Human recombinant protein Beta-Enolase**  
**Human Recombinant Beta-Enolase**  
**Catalog # PBV10601r****Specification****Human recombinant protein Beta-Enolase - Product info**

|                   |                                        |
|-------------------|----------------------------------------|
| Primary Accession | <a href="#">P13929</a>                 |
| Concentration     | 0.5                                    |
| Calculated MW     | 49 kDa (454 aa, 1-434 aa + NT His Tag) |
|                   | KDa                                    |

**Human recombinant protein Beta-Enolase - Additional Info**

|                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|--------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Gene ID            | 2027                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Gene Symbol        | ENO3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Other Names</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| ENO3, MSE          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Gene Source        | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Source             | E. Coli                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Assay&Purity       | SDS-PAGE; ≥95%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Assay2&Purity2     | N/A;                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Recombinant        | Yes                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Results            | >1.5 units/ml                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Sequence           | MGSSHHHHHH SSGLVPRGSH MAMQKIFARE<br>ILDSRGNPTV EVDLHTAKGR FRAAVPSGAS<br>TGIYEALRLR DGDKGRLGK GVLKAVENIN<br>STLGPALLQK KLSVADQEKV DKFMIELDGT<br>ENKSKFGANA ILGVSLAVCK AGAAEKGVPL<br>YRHIADLAGN PDLILPVPF NVINGGSHAG<br>NKLAMQEFMI LPVGASSFKE AMRIGAEVYH<br>HLKGVKAKY GKDATNVGDE GGFAPNILEN<br>NEALELLKTA IQAAGYDPKV VIGMDVAASE<br>FYRNGKYDL DFKSPDDPARH ITGEKLGELY<br>KSFKNYPVV SIEDPFDQDD WATWTSFLSG<br>VNIQIVGDDL TVTNPKRIAQ AVEKKACNCL<br>LLKVNQIGSV TESIQAACKLA QSNWGWGMVS<br>HRSGETEDTF IADLVVGLCT GQIKTGAPCR<br>SERLAKYNQL MRIEEALGDK AIFAGRKFRN<br>PKAK |

**Format**  
Liquid**Storage**  
-80°C; 0.5 mg/ml solution in 20 mM Tris-HCl (pH 8.0) containing 1 mM DTT, 20% glycerol and 0.1 mM NaCl.**Human recombinant protein Beta-Enolase - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

#### **Human recombinant protein Beta-Enolase - Images**

#### **Human recombinant protein Beta-Enolase - Background**

Beta-enolase, also known as ENO3, is one of the three enolase isoenzymes found in mammals. This isoenzyme, a homodimer, is found in skeletal muscle cells in the adult. ENO3 play a role in converting phosphoglyceric acid to phosphoenolpyruvic acid in the glycolytic pathway. Mutations in its gene can be associated with metabolic myopathies that may result from decreased stability of the enzyme. Recombinant human ENO3 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

#### **Human recombinant protein Beta-Enolase - References**

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Cali L.,et al.Nucleic Acids Res. 18:1893-1893(1990).  
Peshavaria M.,et al.Biochem. J. 275:427-433(1991).  
Giallongo A.,et al.Eur. J. Biochem. 214:367-374(1993).  
Ota T.,et al.Nat. Genet. 36:40-45(2004).