

Bacterial recombinant protein MDH
Bacterial Recombinant MDH
Catalog # PBV10594r**Specification**

Bacterial recombinant protein MDH - Product info

Concentration	1
Calculated MW	34.9 kDa (336 aa, 1-312 aa + NT His Tag) KDa

Bacterial recombinant protein MDH - Additional Info**Other Names**

Malate dehydrogenase, ECK3225, JW3205

Gene Source	Bacteria
Source	E. Coli
Assay&Purity	SDS-PAGE; ≥95%
Assay2&Purity2	N/A;
Recombinant	Yes
Sequence	MGSSHHHHHH SSGLVPRGSH MGSHMKVAVL GAAGGIGQAL ALLLKTQLPS GSELSLYDIA PVTPGVAVDL SHIPTAVKIK GFSGEDATPA LEGADVVLIS AGVARKPGMD RSDLFNVNAG IVKNLVQQVA KTCPKACIGI ITNPVNTTVA IAAEVLKKAG VYDKNKLFV TLDIIRSNT FVAELKGKQP GEVEVPVIGG HSGVTILPLL SQVPGVSFTE QEVADLTKRI QNAGTEVVEA KAGGGSATLS MGQAAARFGL SLVRALQGEQ GVVECAYVEG DGQYARFFSQ PLLLGKNGVE ERKSIGTLA FEQNALEGML DTLKKDIALG EEFVNK

Format

Liquid

Storage

-80°C; 1 mg/ml solution in 20 mM Tris-HCl (pH 8.0) containing 1 mM DTT, 50 mM NaCl and 10% glycerol.

Bacterial recombinant protein MDH - 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](#)

Bacterial recombinant protein MDH - Images**Bacterial recombinant protein MDH - Background**

Malate dehydrogenase (MDH) belongs to the LDH/MDH superfamily and MDH type 1 family. This enzyme catalyzes the conversion of malate into oxaloacetate (using NAD⁺) and vice versa (reversible reaction). This reaction is part of many metabolic pathways, including the citric acid cycle. Malate dehydrogenase is also involved in gluconeogenesis, the synthesis of glucose from smaller molecules.