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Human recombinant protein MDH2

Human Recombinant MDH2
Catalog # PBV10593r

Specification

Human recombinant protein MDH2 - Product info

Primary Accession	P40926
Concentration	1
Calculated MW	35.2 kDa (335 aa, 25-338 aa + NT His Tag) KDa

Human recombinant protein MDH2 - Additional Info

Gene ID	4191
Gene Symbol	MDH2

Other Names
Malate dehydrogenase 2, NAD (mitochondrial), M-MDH, MDH, MOR1

Gene Source	Human
Source	E. Coli
Assay&Purity	SDS-PAGE; ≥95%
Assay2&Purity2	N/A;
Recombinant	Yes
Sequence	MGSSHHHHHH SSGLVPRGSH MAKVAVLGAS GGIGQPLSLL LKNSPLVSRL TLYDIAHTPG VAADLSHIET KAAVKGYLGP EQLPDCLKGC DVVVIPAGVP RKPGMTRDDL FNTNATIVAT LTAACAQHCP EAMICVIANP VNSTIPITAE VFKKHGVYNP NKIFGVTTLD IVRANTFVAE LKGLDPARVN VPVIGGHAGK TIIPLISQCT PKVDFPQDQL TALTGRIQEA GTEVVKAKAG AGSATLSMAY AGARFVFSLV DAMNGKEGVV ECSFVKSQET ECTYFSTPLL LGKKGIEKNL GIGKVSSFEE KMISDAIPEL KASIKKGEDF VKTLK

Format
Liquid

Storage
-80°C; 1 mg/ml solution in 20 mM Tris-HCl (pH 7.5) containing 10% glycerol.

Human recombinant protein MDH2 - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot

- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Human recombinant protein MDH2 - Images

Human recombinant protein MDH2 - Background

MDH2 catalyzes the reversible oxidation of malate to oxaloacetate, utilizing the NAD/NADH cofactor system in the citric acid cycle. MDH2 is localized to the mitochondria and takes part in the malate-aspartate shuttle that functions in the metabolic coordination between cytosol and mitochondria. MDH2 is highly expressed in the adrenal system, small intestine, heart and pancreas.

Human recombinant protein MDH2 - References

Hu G.,et al.Submitted (FEB-1998) to the EMBL/GenBank/DDBJ databases.
Ota T.,et al.Nat. Genet. 36:40-45(2004).
Hillier L.W.,et al.Nature 424:157-164(2003).
Mural R.J.,et al.Submitted (JUL-2005) to the EMBL/GenBank/DDBJ databases.
Rush J.,et al.Nat. Biotechnol. 23:94-101(2005).