

Human MDH2 Recombinant Protein



RPPB1930

Product Information Protein Information

Product SKU:

RPPB1930

Accession:

P40926

Host:

Escherichia Coli.

Protein description:

MDH2 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 335 amino acids (25-338 a.a.) and having a molecular mass of 35.2 kDa. The MDH2 is fused to a 21 amino acid His tag at N-terminus and purified by conventional chromatography.

Appearance:

Sterile Filtered colorless solution.

Synonyms:

M-MDH, MDH, MOR1.

Formulation:

The MDH2 1mg/ml protein solution contains 20mM Tris-HCl pH-7.5 and 10% glycerol.

Purity:

Greater than 95.0% as determined by SDS-PAGE.

Stability:

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.

Amino Acid Sequence:

MGSSHHHHHH SGLVPRGSH MAKVAVLGAS GGIGQPLSLL LKNSPLVSRL TLYDIAHTPG VAADLSHIET
KAAVKGYLGP EQLPDCLKGC DVVVIPAGVP RKPGMTRDDL FNTNATIVAT LTAACAQHCP EAMICVIANP
VNSTIPITAE VFKKHGVYNP NKIFGVTTLD IVRANTFVAE LKGLDPAVRN VPVIGGHAGK TIIPISQCT
PKVDFPQDQL TALTGRIQEA GTEVVKAKAG AGSATLSMAY AGARFVFSLV DAMNGKEGVV ECSFVKSQET
ECTYFSTPLL LGKKGIEKNL GIGKVSSFEE KMISDAIPEL KASIKKGEDF VKTLK.

Biological Activity:

Specific activity is > 30 units/mg, and is defined as the amount of enzyme that cleaves 1umole of oxalacetate and beta-NADH to L-malate and beta-NAD per minute at pH7.5 at 25°C.