

Human MDH1 Recombinant Protein



RPPB1929

Product Information Protein Information

Product SKU:

RPPB1929

Accession:

P40925

Host:

Escherichia Coli.

Protein description:

MDH1 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 342 amino acids (1-334 a.a.) and having a molecular mass of 37.4 kDa. The MDH1 is fused to an 8 amino acid His tag at C-terminus and purified by conventional chromatography.

Appearance:

Sterile Filtered colorless solution.

Synonyms:

MDH-s, MDHA, MOR2.

Formulation:

The MDH1 1mg/ml protein solution contains 20mM Tris-HCl pH-8, 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:

MSEPIRVLVT GAAGQIAYSL LYSIGNGSVF GKDQPIILVL LDITPMMGVL DGVLMELQDC ALPLLKDVIA
TDKEDVAFKD LDVAILVGSM PRREGMERKD LLKANVKIFK SQGAALDKYA KKSVKVIVVG NPANTNCLTA
SKSAPSIPKE NFSCLTRLDH NRAKAQIALK LGVTANDVKN VVIWGNHSST QYPDVNHAKV KLGQKEVGVY
EALKDDSWLK GEFVTTVQQR GAAVIKARKL SSAMSAAKAI CDHVRDIWFG TPEGEFVSMG VISDGNSYGV
PDDLLYSFPV VIKNKTKWKFV EGLPINDFSR EKMDLTAKEL TEEKESAFEF LSSALEHHHH HH.

Biological Activity:

Specific activity is > 8 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.