

Recombinant Full Length Human MDH1 Protein, GST-tagged

Cat. No. MDH1-6102HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human MDH1 full-length ORF (AAH01484.1, 1 a.a. - 334 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	334 amino acids
Description	Malate dehydrogenase catalyzes the reversible oxidation of malate to oxaloacetate, utilizing the NAD/NADH cofactor system in the citric acid cycle. The protein encoded by this gene is localized to the cytoplasm and may play pivotal roles in the malate-aspartate shuttle that operates in the metabolic coordination between cytosol and mitochondria. [provided by RefSeq]
Molecular Mass	62.48 kDa
AA Sequence	MSEPIRVLVTGAAGQIAYSLLYSIGNGSVFGKDQPIILVLLDITPMMGVLDGVLMEQLD CALPLLKDVIATDKEDVAFKDLDVAILVGSMPPRREGMERKDLLKANVKIFKSQGAALD KYAKKSVKVIVVGNPANTNCLTASKSAPSIPKENFSCLTRLDHNRKAQIALKLGVTA NDVKNVIIWGNHSSTQYPDVNHAKVKLQGKEVGVYEALKDDSWLKGEFVTTVQQR GAAVIKARKLSSAMSAKAICDHVRDIWFGTPEGEFVSMGVISDGNSYGVPPDLLYS FPVVIKNKTWKVFVEGLPINDFSREKMDLTAKELTEEKESAFEFLSSA
Applications	Enzyme-linked Immunoabsorbent Assay

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	Western Blot (Recombinant protein) Antibody Production Protein Array
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
GENE INFORMATION	
Gene Name	MDH1 malate dehydrogenase 1, NAD (soluble) [Homo sapiens]
Official Symbol	MDH1
Synonyms	MDH1; malate dehydrogenase 1, NAD (soluble); malate dehydrogenase, cytoplasmic; soluble malate dehydrogenase; cytosolic malate dehydrogenase; MDHA; MOR2; MDH-s; MGC:1375;
Gene ID	4190
mRNA Refseq	NM_001199111
Protein Refseq	NP_001186040
MIM	154200
UniProt ID	P40925

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