

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 NDVKNVIIWGNHSSSTQYPDVNHAKVKLQGKEVGVYEALKDDSWLKGEFVTTVQQR GAAVIKARKLSSAMSAKAICDHVRDIWFGTPEGEFVSMGVISDGNSYGVPDDLAYS FPVVIKNTWKVFVEGLPINDFSREKMDLTAKELTEEKESAFEFLSSA
Applications	Enzyme-linked Immunoabsorbent Assay

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

	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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