

Product datasheet for **TP307125M**

HIBADH (NM_152740) Human Recombinant Protein

Product data:

Product Type: Recombinant Proteins

Description: Recombinant protein of human 3-hydroxyisobutyrate dehydrogenase (HIBADH), 100 µg

Species: Human

Expression Host: HEK293T

**Expression cDNA Clone
or AA Sequence:** >RC207125 protein sequence
Red=Cloning site **Green**=Tags(s)

MAASLRLLGAASGLRYWSRRLRPAAGSFAAVCSRSVASKTPVGFGLGNMGNPMAKNLMKHGYPLIYDV
FPDACKEFQDAGEQVSSPADVAEKADRIITMLPTSINAIEAYSGANGILKKVKKGSLIDSSTIDPAVS
KELAKEVEKMGAVFMDAPVSGGVGAARSGNLTFMVGVEDEFAAAQELLGCMGSNVVYCGAVGTGQAAKI
CNNMLLAISMIGTAEAMNLGIRLGLDPKLLAKILNMSSGRCWSSDTYNPVGVMGDGVPANNYQGGFGTT
LMAKDLGLAQDSATSTKSPILLGSLAHQIYRMMCAKGYSKKDFSSVFQFLREEETF

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag: C-Myc/DDK

Predicted MW: 35.1 kDa

Concentration: >0.05 µg/µL as determined by microplate BCA method

Purity: > 80% as determined by SDS-PAGE and Coomassie blue staining

Buffer: 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol

Preparation: Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.

Note: For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.

Storage: Store at -80°C.

Stability: Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.

RefSeq: [NP_689953](#)

Locus ID: 11112



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UniProt ID: [P31937](#), [A0A024RA75](#)

RefSeq Size: 2012

Cytogenetics: 7p15.2

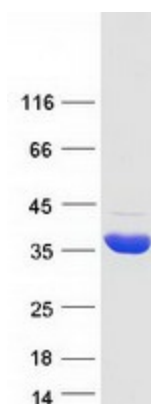
RefSeq ORF: 1008

Synonyms: NS5ATP1

Summary: This gene encodes a mitochondrial 3-hydroxyisobutyrate dehydrogenase enzyme. The encoded protein plays a critical role in the catabolism of L-valine by catalyzing the oxidation of 3-hydroxyisobutyrate to methylmalonate semialdehyde. [provided by RefSeq, Nov 2011]

Protein Pathways: Metabolic pathways, Valine, leucine and isoleucine degradation

Product images:



Coomassie blue staining of purified HIBADH protein (Cat# [TP307125]). The protein was produced from HEK293T cells transfected with HIBADH cDNA clone (Cat# [RC207125]) using MegaTran 2.0 (Cat# [TT210002]).