

Recombinant Human HIBADH Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. HIBADH-3513H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	HIBADH MS Standard C13 and N15-labeled recombinant protein (NP_689953) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	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.
Molecular Mass	35.3 kDa
AA Sequence	MAASLRLLGAASGLRYWSRRLRPAAGSFAAVCSRSVASKTPVGFIGLGNMGNPMA KNLMKHGYPLIYDVFPDACEFQDAGEQVSSPADVAEKADRIITMLPTSINAIEAYS GANGILKKVKKGSLLIDSSTIDPAVSKELAKEVEKMGAVFMDAPVSGGVGAARSGNL TFMVGGVEDEFAAAQELLGCMGSNVVYCGAVGTGQAAKICNNMLLAISMIGTAEAM NLGIRLGLDPKLLAKILNMSSGRCWSSDTYNPVPGVMDGVPSANNYQGGFGTTLMA KDLGLAQDSATSTKSPILLGSLAHQIYRMMCAKGYSKKDFSSVFQFLREEETFTTRTR PLEQKLISEEDLAANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 3 months from receipt of products under proper storage and handling

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conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name HIBADH 3-hydroxyisobutyrate dehydrogenase [Homo sapiens (human)]

Official Symbol HIBADH

Synonyms HIBADH; 3-hydroxyisobutyrate dehydrogenase; 3-hydroxyisobutyrate dehydrogenase, mitochondrial; NS5ATP1; MGC40361;

Gene ID 11112

mRNA Refseq NM_152740

Protein Refseq NP_689953

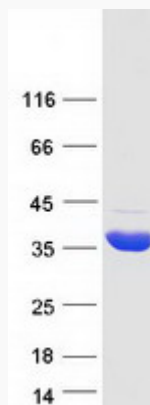
MIM 608475

UniProt ID P31937

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SDS-PAGE

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