

## Recombinant Human HIBADH Protein, GST-tagged

Cat. No. HIBADH-4742H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Human HIBADH full-length ORF ( NP_689953.1, 1 a.a. - 336 a.a.) recombinant protein with GST-tag at N-terminal.
<b>Species</b>	Human
<b>Source</b>	Wheat Germ
<b>Description</b>	3-hydroxyisobutyrate dehydrogenase (3-hydroxy-2-methylpropanoate:NAD(+) oxidoreductase, EC 1.1.1.31) is a dimeric mitochondrial enzyme that catalyzes the NAD(+)-dependent, reversible oxidation of 3-hydroxyisobutyrate, an intermediate of valine catabolism, to methylmalonate semialdehyde.[supplied by OMIM
<b>Molecular Mass</b>	61.7 kDa
<b>AA Sequence</b>	MAASLRLPGAASGLRYWSRRLRPAAGSFAAVCSRSVASKTPVGFGLGNMGNPMA KNLMKHGYPLIYDVFPDACEFQDAGEQVVSSPADVAEKADRIITMLPTSINAIEAYS GANGILKKVKKGSLLDSTIDPAVSKELAKEVEKMGAVFMDAPVSGGVGAARSGNL TFMVGGVEDEFAAAQELLGCMGSNVVYCGAVGTGQAAKICNNMLLAISMIGTAEAM NLGIRLGLDPKLLAKILNMSSGRCWSSDTYNPVPVGMVDGVPANNYQGGFGTTLMA KDLGLAQDSATSTKSPILLGSLAHQIYRMMCAKGYSKKDFSSVFQFLREEETF
<b>Applications</b>	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array

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<b>Notes</b>	Best use within three months from the date of receipt of this protein.
<b>Storage</b>	Store at -8 centigrade. Aliquot to avoid repeated freezing and thawing.
<b>Storage Buffer</b>	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

## GENE INFORMATION

<b>Gene Name</b>	HIBADH 3-hydroxyisobutyrate dehydrogenase [ Homo sapiens ]
<b>Official Symbol</b>	HIBADH
<b>Synonyms</b>	HIBADH; 3-hydroxyisobutyrate dehydrogenase; 3-hydroxyisobutyrate dehydrogenase, mitochondrial; NS5ATP1; MGC40361;
<b>Gene ID</b>	11112
<b>mRNA Refseq</b>	NM_152740
<b>Protein Refseq</b>	NP_689953
<b>MIM</b>	608475
<b>UniProt ID</b>	P31937

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