

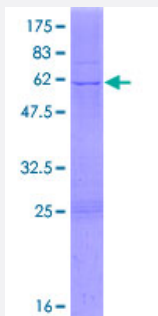
Full-Length

HIBADH (Human) Recombinant Protein (P01)

Catalog # H00011112-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human HIBADH full-length ORF (NP_689953.1, 1 a.a. - 336 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MAASLRLLGAASGLRYWSRRLRPAAGSFAAVCSRSVASKTPVGFIGLGNMGNPMAKNLMKHGY
PLIYDVFPDACEFQDAGEQVSSPADVAEKADRIITMLPTSINAIEAYSGANGILKKVKKGSLLIDS
STIDPAVSKELAKEVEKMGAVFMDAPVSGGVGAARSGNLTFMVGGVEDEFAAAQELLGCMGSN
VVYCGAVGTGQAAKICNNMLLAISMIGTAEAMNLGIRLGLDPKLLAKILNMSSGRCWSSDTYNPVP
GVMDGVPSANNYQGGFGTTLMAKDLGLAQDSATSTKSPILLGSLAHQIYRMMCAKGYSKKDFSS
VFQFLREEETF

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

61.7

Interspecies Antigen Sequence

Mouse (91); Rat (91)

Preparation Method

[in vitro wheat germ expression system](#)

Purification

Glutathione Sepharose 4 Fast Flow

Quality Control Testing

12.5% SDS-PAGE Stained with Coomassie Blue.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

Storage Instruction

Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Note

Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — HIBADH

Entrez GeneID[11112](#)**GeneBank Accession#**[NM_152740.2](#)**Protein Accession#**[NP_689953.1](#)**Gene Name**

HIBADH

Gene Alias

MGC40361, NS5ATP1

Gene Description

3-hydroxyisobutyrate dehydrogenase

Omim ID[608475](#)**Gene Ontology**[Hyperlink](#)**Gene Summary**

3-hydroxyisobutyrate dehydrogenase (3-hydroxy-2-methylpropanoate:NAD(+) oxidoreductase, E C 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]

Other Designations

3'-hydroxyisobutyrate dehydrogenase

Pathway

- [Metabolic pathways](#)

- [Valine](#)