3-Hydroxyisobutyrate Dehydrogenase, Mitochondrial (HIBADH) Bovine Recombinant Protein

PRODUCT OVERVIEW

Product Name	3-hydroxyisobutyrate dehydrogenase, mitochondrial (HIBADH), Recombinant Protein
Full Product Name	Recombinant Bovine 3-hydroxyisobutyrate dehydrogenase, mitochondrial (HIBADH)
Product Gene Name	HIBADH recombinant protein
Product Synonym Gene Name	HIBADH
Sequence	ASKTPVGFIG VGNMGNPMAK NLMKHGYPLI IYDVFPDACK EFLDAGEQVV SSPADVAEKA DRIITMLPTS INAIEAYSGA NGILKKVKKG SLLIDSSTID PMVSKELAKE VEKMGAVFMD APVSGGVGAA RSGNLTFMVG GVEEEFAAAQ ELLGCMGSNV VYCGAVGTGQ AAKICNNLLL AISMIGTAEA MNLGIRLGLD PKLLAKILNM SSGRCWSSDT YNPVPGVMDG VPSANNYQGG FGTTLMAKDL GLAQDSATST KSPILLGSQA HQIYRMMCAK GYSKKDFSSV FQFLREEETF
Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE. (lot specific)
Preparation and Storage	Store at -20 degrees C. For long-term storage, store at -20 degrees C or -80 degrees C. Store working aliquots at 4 degrees C for up to one week. Repeated freezing and thawing is not recommended.
Molecular Weight	35,410 Da
Sequence Positions	37-336, full length protein
Tag Information	This protein contains an N-terminal tag and may also contain a C-terminal tag. Tag types are determined by various factors including tag-protein stability, please inquire for tag information.
Sterility	Sterile filter available upon request.
Endotoxin	Low endotoxin available upon request.
3D Structure	ModBase 3D Structure for Q2HJD7
Species	Bovine
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for HIBADH recombinant protein	MBS1326383 is a recombinant protein targeting HIBADH. Also known as Recombinant Bovine 3-hydroxyisobutyrate dehydrogenase, mitochondrial (HIBADH). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of HIBADH recombinant protein vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for HIBADH. It may not necessarily be applicable to this product.

NCBI GI #	114052937
NCBI GeneID	512002
NCBI Accession #	NP_001039571.1

UniProt Primary Accession #	Q2HJD7
UniProt Related Accession #	Q2HJD7
GenBank Nucleotide #	NM_001046106.1
NCBI Official Full Name	3-hydroxyisobutyrate dehydrogenase, mitochondrial
NCBI Official Synonym Full Names	3-hydroxyisobutyrate dehydrogenase
NCBI Official Symbol	HIBADH
UniProt Protein Name	3-hydroxyisobutyrate dehydrogenase, mitochondrial
Protein Family	3-hydroxyisobutyrate dehydrogenase
UniProt Gene Name	HIBADH
UniProt Synonym Gene Names	HIBADH
NCBI Protein Information	3-hydroxyisobutyrate dehydrogenase, mitochondrial
Research Articles on HIBADH	**1.** The g.-165 T>C rather than methylation is associated with semen motility in Chinese Holstein bulls by regulating the transcriptional activity of the HIBADH gene.
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