

Product datasheet for PH307125

HIBADH (NM_152740) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	HIBADH MS Standard C13 and N15-labeled recombinant protein (NP_689953)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC207125
Predicted MW:	35.3 kDa
Protein Sequence:	>RC207125 protein sequence Red=Cloning site Green=Tags(s)

MAASRLRLGAASGLRYWSRRLRPAAGSFAAVCSRSVASKTPVGF IGLGNMGNPMKLNLMKHGYPLIIYDV
FPDACEKFQDAGEQVSSPADVAEKADRIITMLPTSINAIEAYSGANGILKVKKGSLLIDSSTIDPAVS
KELAKEVEKMGAVFMDAPVSGGVAARSNLTFMVGGVEDEF AAAQELLGCMGSNVVYCGAVGTGQAAKI
CNNMLLAISMIGTAEAMNLGIRLGLDPKLLAKILNMSSGRCWSSDTYNPVPVGMGVPSANNYQGGFGTT
LMAKDLGLAQDSATSTKSPILLGSLAHQIYRMMCAKGYSKKDFSSVFQFLREEETF

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<u>NP_689953</u>
RefSeq Size:	2012
RefSeq ORF:	1008
Synonyms:	NS5ATP1
Locus ID:	11112



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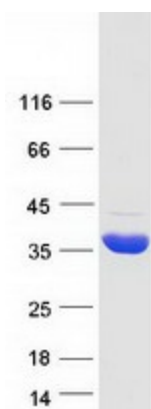
UniProt ID: [P31937](#), [A0A024RA75](#)

Cytogenetics: 7p15.2

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]).