

Product datasheet for PH309814

HIBCH (NM_014362) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	HIBCH MS Standard C13 and N15-labeled recombinant protein (NP_055177)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC209814
Predicted MW:	43.4 kDa
Protein Sequence:	>RC209814 protein sequence Red=Cloning site Green=Tags(s) MGQREMWRMSRFNAFKRTNTILHHLRMSKHTDAAEEVLLGKKGCTGVITLNRPKFLNALTLNMIRQIYP QLKKWEQDPETFLIIKAGGKAFCAAGDIRVISEAEKAKQKIAPVFFREEYMLNNAVGCQKPYVALIH GITMGGVGLSVHGQFRVATEKCLFAMPETAIGLFPDVGGGYFLPRLQGKLGYFLALTGFRLKGRDVYRA GIATHFVDSEKLAMLEEDLLALKSPSKENIASVLENYHTESKIDRDKSFILLEHMDKINSCFSANTVEEI IENLQQDGSSFALEQLKVKMSPTSLSKITLRQLMEGSSKTLQEVLTMEYRLSQACMRGHDFHEGVRAVL IDKDQSPKWKPADLKEVTEEDLNNHFSLGSSDLKF 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_055177</u>
RefSeq Size:	1958
RefSeq ORF:	1158
Synonyms:	HIBYLCOAH
Locus ID:	26275



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UniProt ID: [Q6NVY1](#), [A0A140VJL0](#)

Cytogenetics: 2q32.2

Summary: This gene encodes the enzyme responsible for hydrolysis of both HIBYL-CoA and beta-hydroxypropionyl-CoA. Mutations in this gene have been associated with 3-hydroxyisobutyryl-CoA hydrolase deficiency. Alternative splicing results in multiple transcript variants.[provided by RefSeq, May 2010]

Protein Pathways: beta-Alanine metabolism, Metabolic pathways, Propanoate metabolism, Valine, leucine and isoleucine degradation

Product images:



Coomassie blue staining of purified HIBCH protein (Cat# [TP309814]). The protein was produced from HEK293T cells transfected with HIBCH cDNA clone (Cat# [RC209814]) using MegaTran 2.0 (Cat# [TT210002]).