

Recombinant Human HIBCH Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. HIBCH-3813H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	HIBCH MS Standard C13 and N15-labeled recombinant protein (NP_055177) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	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.
Molecular Mass	43.4 kDa
AA Sequence	MGQREMWRLMSRFNAFKRTNTILHHLRMSKHTDAAEEVLLGKKGCTGVITLNRPKF LNALTLMIRQIYPQLKKWEQDPETFLIIKGAGGKAFCAGGDIRVISEAEKAKQKIAPV FFREYMLNNAVGSCQKPYVALIHGITMGGGVGLSVHGQFRVATEKCLFAMPETAI GLFPDVGGGYFLPRLQGKLG YFLALTGFRLKGRDVYRAGIATHFVDSEKLAMLEEDL LALKSPSKENIASVLENYHTESKIDRDKSFILEEHMDKINSCFSANTVEEIIENLQQDG SSFALEQLKVINKMSPTSLKITLRQLMEGSSKTLQEVL TMEYRLSQACMRGHDFHEG VRAVLIDKDQSPKWKPADLKEVTEEDLNNHFKSLGSSDLKFTRTRPLEQKLISEEDLA ANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining

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Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 µg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name	HIBCH 3-hydroxyisobutyryl-CoA hydrolase [Homo sapiens (human)]
Official Symbol	HIBCH
Synonyms	HIBCH; 3-hydroxyisobutyryl-CoA hydrolase; 3 hydroxyisobutyryl Coenzyme A hydrolase; 3-hydroxyisobutyryl-CoA hydrolase, mitochondrial; HIBYL-CoA-H; HIB-CoA hydrolase; 3-hydroxyisobutyryl-Coenzyme A hydrolase; HIBYLCOAH;
Gene ID	26275
mRNA Refseq	NM_014362
Protein Refseq	NP_055177
MIM	610690
UniProt ID	Q6NVY1

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SDS-PAGE

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