

Recombinant Human HIBCH, His-tagged

Cat. No. HIBCH-13772H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human HIBCH protein, fused to His-tag, was expressed in E.coli and purified by Ni-sepharose.
Species	Human
Source	E.coli
ProteinLength	1-386a.a.
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.
Storage	The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles.
Storage Buffer	1M PBS (58mM Na ₂ HPO ₄ , 17mM NaH ₂ PO ₄ , 68mM NaCl, pH8.) added with 300mM Imidazole and 0.7% Sarcosyl, 15% glycerol.

GENE INFORMATION

Gene Name	HIBCH 3-hydroxyisobutyryl-CoA hydrolase [Homo sapiens]
Official Symbol	HIBCH

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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
Chromosome Location	2q32.3
Pathway	Branched-chain amino acid catabolism, organism-specific biosystem; Malonate semialdehyde pathway, propanoyl-CoA => Acetyl-CoA, organism-specific biosystem; Malonate semialdehyde pathway, propanoyl-CoA => Acetyl-CoA, conserved biosystem; Metabolic pathways, organism-specific biosystem; Metabolism, organism-specific biosystem;
Function	3-hydroxyisobutyryl-CoA hydrolase activity; hydrolase activity;

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