

## Product datasheet for TP309814

### HIBCH (NM\_014362) Human Recombinant Protein

#### Product data:

<b>Product Type:</b>	Recombinant Proteins
<b>Description:</b>	Recombinant protein of human 3-hydroxyisobutyryl-Coenzyme A hydrolase (HIBCH), nuclear gene encoding mitochondrial protein, transcript variant 1, 20 µg
<b>Species:</b>	Human
<b>Expression Host:</b>	HEK293T
<b>Expression cDNA Clone or AA Sequence:</b>	>RC209814 protein sequence <b>Red</b> =Cloning site <b>Green</b> =Tags(s)
	<p>MGQREMWRLMSRFNAFKRTNTILHHLRMSKHTDAAEEVLLGKKGCTGVITLNRPKFLNALTLMIRQIYP QLKKWEQDPETFLIIKAGGKAFCAGGDIRVISEAEKAKQKIAPVFFREEYMLNNAVGCQKPYVALIH GITMGGGVGLSVHGQFRVATEKCLFAMPETAIGLFPDVGGGYFLPRLQGKLGYFLALTGFRLKGRDVYRA GIATHFVDSEKLAMLEEDLLALKSPKENIASVLENYHTESKIDRDKSFIL EEHMDKINSCFSANTVEEI IENLQQDGSSFALEQLKVINKMSPTSLKITLRQLMEGSSKTLQEVLTMEYRLSQACMRGHDFHEGVRAVL IDKDQSPKWKPADLKEVTEEDLNNHFKSLGSSDLKF</p> <p><b>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</b></p>
<b>Tag:</b>	C-Myc/DDK
<b>Predicted MW:</b>	39.4 kDa
<b>Concentration:</b>	>0.05 µg/µL as determined by microplate BCA method
<b>Purity:</b>	> 80% as determined by SDS-PAGE and Coomassie blue staining
<b>Buffer:</b>	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
<b>Preparation:</b>	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
<b>Note:</b>	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
<b>Storage:</b>	Store at -80°C.
<b>Stability:</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>RefSeq:</b>	<u><a href="#">NP_055177</a></u>



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Locus ID:	26275
UniProt ID:	<a href="#">Q6NVY1</a>
RefSeq Size:	1958
Cytogenetics:	2q32.2
RefSeq ORF:	1158
Synonyms:	HIBYLCOAH
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]).