

## Product datasheet for **TP309814L**

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

#### Product data:

|                                       |  |
|---------------------------------------|--|
| Product Type:                         | Recombinant Proteins   |
| Description:                          | Recombinant protein of human 3-hydroxyisobutyryl-Coenzyme A hydrolase (HIBCH), nuclear gene encoding mitochondrial protein, transcript variant 1, 1 mg |
| Species:                              | Human  |
| Expression Host:                      | HEK293T  |
| Expression cDNA Clone or AA Sequence: | >RC209814 protein sequence<br><b>Red</b> =Cloning site <b>Green</b> =Tags(s)   |

MGQREMWRLMSRFNAFKRTNTILHHLRMSKHTDAAEEVLLGKKGCTGVITLNRPKFLNALTLMIRQIYP  
QLKKWEQDPETFLIIKAGGKAFKAGGDIRVISEAEKAKQKIAPVFFREYMLNNAVGCQKPYVALIH  
GITMGGVGLSVHGQFRVATEKCLFAMPETAIGLFPDVGGGYFLPRLQGKLGFLALTGFRLKGRDVYRA  
GIATHFVDSEKLAMLEEDLLALKSPSKENIASVLENYHTESKIDRDKSFILEEHMDKINSCFSANTVEEI  
IENLQQDGSSFALEQLKVINKMSPTSLKITLRQLMEGSSKTLQEVLTMEYRLSQACMRGHDFHEGVRAVL  
IDKDQSPKWKPADLKEVTEEDLNNHFKSLGSSDLKF

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

|                |  |
|----------------|--|
| Tag:           | C-Myc/DDK  |
| Predicted MW:  | 39.4 kDa   |
| Concentration: | >0.05 µg/µL as determined by microplate BCA method   |
| Purity:        | > 80% as determined by SDS-PAGE and Coomassie blue staining  |
| Buffer:        | 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol   |
| Preparation:   | Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.                                     |
| Note:          | For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process. |
| Storage:       | Store at -80°C.  |
| Stability:     | Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.        |
| RefSeq:        | <u><a href="#">NP_055177</a></u>   |



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|                   |   |
|-------------------|---|
| Locus ID:         | 26275   |
| UniProt ID:       | <a href="#">Q6NVY1</a> , <a href="#">A0A140VJL0</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]).