

Product datasheet for **SC320126**

HIBCH (NM_014362) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	HIBCH (NM_014362) Human Untagged Clone
Tag:	Tag Free
Symbol:	HIBCH
Synonyms:	HIBYLCOAH
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_014362.2
 GCTTTAGCTTCGGAGTGTGGCGATGGGGCAGCGGAGATGTGGAGGCTCATGTGAGG
 TTTAATGCATTCAAAGGACTAATACCATACTGCACCATTTGAGAATGTCCAAGCACACA
 GATGCAGCAGAAGAGGTGCTATTGGGAAAAAAGGTTGCACGGGAGTCATAACACTAAAC
 AGACCAAAGTTCTCAATGCACTGACTCTTAATATGATTGCGCAGATTTATCCACAGCTA
 AAGAAGTGGGAACAAGATCCTGAACTTTCCTGATCATTATAAAGGGAGCAGGAGGAAAG
 GCTTTCTGTGCCGGGGTGATATCAGAGTGATCTCGGAAGCTGAAAAGGCAAAACAGAAG
 ATAGCTCCAGTTTTCTTCAGAGAAGAATATATGCTGAATAATGCTGTTGGTTCTTGCCAG
 AAACCTTATGTTGCACTTATTATGGAATTACAATGGGTGGGGGAGTTGGTCTCTCAGTC
 CATGGGCAATTCGAGTGGCTACAGAAAAGTGTCTTTTGTATGCCAGAAAAGTCAATA
 GGACTGTTCCCTGATGTGGTGGAGGTTATTTCTTGCCACGACTCCAAGGAAAAGTTGGT
 TACTTCTTGCATTAACAGGATTCAGACTAAAAGGAAGAGATGTGTACAGAGCAGGAATT
 GCTACACACTTTGTAGATTCTGAAAAGTTGGCCATGTTAGAGGAAGATTTGTTAGCCTTG
 AAATCTCCTTCAAAGAAAATATTGCATCTGTCTTAGAAAATTACCATACAGAGTCTAAG
 ATTGATCGAGACAAGTCTTTTATACTTGAGGAACACATGGACAAAATAACAGTTGTTTT
 TCAGCCAATACTGTGGAAGAAATTATTGAAAAGTTACAGCAAGATGGTTCATCTTTTGGC
 CTAGAGCAATTGAAGTAATTAATAAAATGTCTCCAACATCTCTAAAGATCACACTAAGG
 CAACTCATGGAGGGTCTTCAAAGACCTTGCAAGAAGTACTAACTATGGAGTATCGGCTA
 AGTCAAGCTTGTATGAGAGGTGATGACTTTTATGAAGGCGTTAGAGCTGTTTTAATTGAT
 AAAGACCAGAGTCCAAAATGGAACCAGCTGATCTAAAAGAAGTACTGAGGAAGATTTG
 AATAATCACTTTAAGTCTTTGGGAAGCAGTGATTTGAAATTTTGAAGTACAGGCTTTTA
 AGGTATATTTGTAGCATGGGTTGGCAATCTACAGCATGTGGCCAAATCCAGCCTGCTG
 CCTGTTTTATATACCCTGTAAGCTAAGAATGGTTCCGCATTTTTAAATGGTTGGGAAA
 AGAAATCAAAGACTAATATTTTCATGACGTGAAAATATCAGAATTCACAAATAAAGCTTT
 ATTGGAAGTAGCTATACTCATCTGTTTATATATTATCTGTGGCTGCTTTGAAATGAGTAG
 TTGCAATAGAGATGGTAAAGCCTACAAAGCCTAATTATTTACTGTCTGGTTTTTGTGAGA
 AAAAAGTTTGTCAATCCTTGTTTTAGAAGATGGAAAAATGTGAAGATCTTTAGAGATTCT
 CTTGAGTGGTATATCTAATTGAAATGGGATCTTTGTTGGCTTGTATGTTGATGAAATCA
 ACTTAGGTATACAATATAAAAAATAAAGACCCTGAAAATGAAAAA

Restriction Sites: Please inquire

ACCN: NM_014362

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

OTI Annotation: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method:	<ol style="list-style-type: none">1. Centrifuge at 5,000xg for 5min.2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.3. Close the tube and incubate for 10 minutes at room temperature.4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	<u>NM_014362.2, NP_055177.2</u>
RefSeq Size:	1744 bp
RefSeq ORF:	1161 bp
Locus ID:	26275
UniProt ID:	<u>Q6NVY1</u>
Cytogenetics:	2q32.2
Domains:	ECH
Protein Pathways:	beta-Alanine metabolism, Metabolic pathways, Propanoate metabolism, Valine, leucine and isoleucine degradation
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1).</p>