

## Product datasheet for **RN211069**

### Hibch (NM\_001013112) Rat Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Hibch (NM\_001013112) Rat Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Hibch  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >RN211069 representing NM\_001013112  
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGGGCAGCAGTTTGTGTGGCGCTCCAGTCGAGTTTCAGCTCAATCAGAAGAGCCAGTGTATTCTGC  
AACATCTGAGAATGTCCAAGCACACAGAGACTGCAGAAGTCTGCTGGAGAGGAGGCTGTGCAGGGGT  
CATAACGCTCAACAGACCCAAGTTACTCAACGCTCTGAGTCTGAATATGATCCGGCAGATCTATCCGCAG  
CTAAAGAAGTGGGAACGAGACCCAGATACATTCCTGATCATCATAAAGGGAGCTGGAGGAAAGGCCCTTCT  
GTGCTGGAGGGGACATCAAGCACTCTCAGAAGCTAAAAAAGCAGGGCAGACTTTGAGTCAAGATTTATT  
CAGAGAAGAATATATCCTGAACAATGCCATTGCGTCTTGTGAGAAACCGTATGTTGCCCTTATTGATGGA  
ATCACAATGGGTGGGGAGTTGGTCTTTCAGTCCATGGTCAATCCGAGTGGCTACAGAAAGATCTCTCT  
TTGCTATGCCAGAAACGGGAATAGGACTGTTTCTGATGTGGCGGAGGTTATTTCTTGCCAAGACTTCA  
AGGAAAAGTGGTACTTCTTGCAGTACAGGATTCAGACTAAAAGGAAGAGATGTGCACAGAGCGGGA  
ATCGCCACACACTTTGTAGATTCAGAAAAGTTGCATGTACTGGAGGAGGAGTTGTTAGCCTTAAAGTCCC  
CTTCAGCTGAGGATGTTGCTGGTGTCTTAGAAAGCTATCATGCCAAGTCCAAGATGGGTCAAGACAAGTC  
TATCATATTTGAGGAACACATGGACAAAATAAACAGTTGTTTTTCAGCCAATACTGTGGAACAGATTCTT  
GAAAACCTACGGCAAGATGGTTCACCTTTTGTATGGAACAGATTAAGTTCTCATTGACAAAGACCAGAC  
TCCAAAATGAAAACCAGCTGAT**TAA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_001013112  
**Insert Size:** 936 bp



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<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u><a href="#">NM_001013112.1</a></u> , <u><a href="#">NP_001013130.1</a></u>
<b>RefSeq Size:</b>	1738 bp
<b>RefSeq ORF:</b>	936 bp
<b>Locus ID:</b>	301384
<b>UniProt ID:</b>	<u><a href="#">Q5XIE6</a></u>
<b>Cytogenetics:</b>	9q22
<b>Gene Summary:</b>	Hydrolyzes 3-hydroxyisobutyryl-CoA (HIBYL-CoA), a saline catabolite. Has high activity toward isobutyryl-CoA. Could be an isobutyryl-CoA dehydrogenase that functions in valine catabolism. Also hydrolyzes 3-hydroxypropanoyl-CoA (By similarity).[UniProtKB/Swiss-Prot Function]