

## Product datasheet for **RN206661**

### **Hacl1 (NM\_053493) Rat Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Hacl1 (NM_053493) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Hacl1
Synonyms:	Hpcl2; Phyh2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >RN206661 representing NM\_053493  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGTCAGAAAGTAACTCGGCAGAGGGTAGCGACAGAAGCGAGGAGCAGGTGTCTGGTGCTAAAGTCATCG  
 CCCAGGCCCTAAAAACGCAAGATGTGGAGTACATGTTTCGGTGTCGTAGGCATCCCCGTGACCGAAATCGC  
 CCTTGCTGCCAGGAACTGGGCATCAAGTACATTGGGATGAGGAATGAGCAAGCGCTTGTACGCTGCC  
 TCTGCGGTTGGATACCTAACGGGCAGGCCAGGAGTATGCCTCGTTGTTTCTGGTCCCGCCTCATCCACG  
 CCTTGGGCGGCATGGCGAATGCAAACATGAACTGTTGGCCCTTGATTGTGATTGGTGGTTCTTCTGAAA  
 GAATCAAGAAGCAATGGGAGCCTTCCAGGAGTTTCTCAGGTTGAAGCTTGACAGATTATATTCCAAGTTC  
 TCTGCCCGGCCAAGCAGCATTACGACATTCTTTTGTATTGAAAAGGCAGTGAGGAGCAGTATCTACG  
 GTCGCCCGGGAGCGTGTACATTGATGTTCTGCAGACCTTGACCCCTCCAGGAGAGCAGACTTCTAT  
 AAAGTACAAGGAATGCTGCATGCCACCTCCACTTAGCCTGGCAGAAACCTCTGCTGTGCGTGCGGCAGCC  
 TCTGTTCTTAGGAGCGCCAAGCAGCCCCGCTCATCATCGGAAAGGCGCTGCTTATTCCATGCAGAGG  
 ACAGCATCCGGAAGCTGGTGGAGCTGTGCAATCTGCCATTTTTACCTACTCCCATGGGGAAGGGTGTCTG  
 CCCTGACAACCACCAAACCTGTGTGGGTGCGGCCAGATCCAGGGCTTTCAGTTTGTGATGTGATTGTG  
 TTATTTGGTGCAAGACTCAACTGGATATTACATTTGGACTGCCGCAAGGTACCAGGCAGACGTGAAGT  
 TTATTCAGATTGATATCTGTGCAGAAGAACTGGGAATAATGTAAGGCCTTCGGTGACTTTGCTAGGAGA  
 TGTAATGCTGTTTCTAACAGCTTTTAGAACAGTTTGTAAATAATCCATGGCAGTACCCACAGACAGC  
 AAATGGTGGGAGACTCTGAGGGAGAAAAGGAAGAACAATGAAGCCGTATCCAAGGAATTAGCTTCCAAAA  
 AATCCCTCCCTATGAATTATTACACAGTGTCTACCATGTTCAAGAACAGTTGCCAGGAAGTGTTCAT  
 AGTGAGCGAAGGAGCAAAACACCATGGACATTGGACGGACTGTGCTTCAGAACTACCTTCCTCGTACCCGG  
 CTGGATGCCGGTTCCTTTGGAACAATGGGAGTTGGTTTGGGATTTGCCATTGCAGCTGCTGTGGTGCTA  
 AGGAGAGAAGCCCTGGGCAGCGGTCATCTGTGTGGAAGGAGACAGTGCCTTTGGATTTCCGGCATGGA  
 AGTGGAACCATCTGCAGGTACAACCTTGCCAATCATAATCTTGGTAGTGAACAATAATGGAATTTACCAA  
 GGTTTTGATGCTGACACCTGGGGAAAAATTAATTTTCAAGGAAGTGTACAACAATCCCTCCAATGT  
 GTCTGCTTCCAACTCACACTACGAGCAGGTGACTGACTGATTTGGAGGCAAAGGGATTTTGTACAAA  
 GCCAGAAGAGCTCAAGACTCGCTGAGGCAGGCTCTGAAAGACACAAGTAAACCGTGTCTTATCAACATC  
 ATGATTGAACCACAAAGTACTCGGAAGGCCAGGATTTTCACTGGCTCACCCGTTCCAACATA**TGA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM\_053493
- Insert Size:** 1746 bp
- 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).
- 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:**

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:** [NM\\_053493.1](#), [NP\\_445945.1](#)

**RefSeq Size:** 2005 bp

**RefSeq ORF:** 1746 bp

**Locus ID:** 85255

**UniProt ID:** [Q8CHM7](#)

**Cytogenetics:** 16p16

**Gene Summary:** human homolog catalyzes alpha-oxidation and carbon-carbon cleavage of 3-methyl-branched fatty acids [RGD, Feb 2006]