

Product datasheet for **MC209847**

Hacd1 (NM_013935) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Hacd1 (NM_013935) Mouse Untagged Clone
Tag: Tag Free
Symbol: Hacd1
Synonyms: Ptpla
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC209847 representing NM_013935
Red=Cloning site **Blue**=ORF **Orange**=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGGCGTCCAGTGAGGAGGACGGCACCAACGGCGCCTCCGAGGCCAGCGACGAGAAGGAAGCCGCCGGCA
AGCGGAGACGCCCTAGGCTTACTGGCCACCGCCTGGCTCACCTTCTACAATATCGCCATGACGGCCGGGTG
GTTGGTCTTGCTATTGCTATGGTACGCTTTTATATGAAAAAGGAACACACAGAGGTTTATATAAAGC
ATTCAGAAGACACTTAAGTTTTTCAAACATTTGCTTTGCTTGAGGTAGTCCATTGTCTGATCGGAATTG
TACCCACTTCTGTGCTTGTGACTGGGGTCCAAGTGAAGTCAAGAATCTTCATGGTGTGGCTCATTACTCA
CAGTATAAAACCCATCCAGAATGAAGAGAGCGTGGTGTCTTTTCTGGTCTCCTGGACTGTGACCGAGATC
ACTCGCTATTCTTCTACACATTCAGTCTCCTCGACCACTTGCCGCACTTCATTAATGGGCCAGATACA
ATTTGTTTATCATCTTATATCCCGTTGGAGTGTGGGAACTTCTACAATATACGCCGCTTGCCTTA
CGTAAAGAAGTCAGGAATGTTCTCAGTACGGCTTCCCAACAAGTACAATGTTTCTTTGACTACTACTAT
TTTCTTCTATAACCATGGCTCCTATATACCGTTGTTTCTCAGCTCTATTTTCATATGTTACGTCAGA
GAAGAAAGGTGCTCCACGGGGAGGTGATCGCGGAGAAGGACGAT**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_013935
Insert Size: 747 bp



[View online »](#)

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:	<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:	NM_013935.3 , NP_038963.3
RefSeq Size:	1015 bp
RefSeq ORF:	747 bp
Locus ID:	30963
UniProt ID:	Q9QY80
Cytogenetics:	2 A1- A2
Gene Summary:	<p>Catalyzes the third of the four reactions of the long-chain fatty acids elongation cycle. This endoplasmic reticulum-bound enzymatic process, allows the addition of two carbons to the chain of long- and very long-chain fatty acids/VLCFAs per cycle. This enzyme catalyzes the dehydration of the 3-hydroxyacyl-CoA intermediate into trans-2,3-enoyl-CoA, within each cycle of fatty acid elongation. Thereby, it participates in the production of VLCFAs of different chain lengths that are involved in multiple biological processes as precursors of membrane lipids and lipid mediators.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1).</p>