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Product datasheet for SC217284

PTPLAD1 (HACD3) (NM_016395) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	PTPLAD1 (HACD3) (NM_016395) Human 3' UTR Clone
Symbol:	PTPLAD1
Synonyms:	B-IND1; BIND1; HSPC121; PTPLAD1
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_016395
Insert Size:	2000 bp

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Insert Sequence:

>SC217284 3'UTR clone of NM_016395
The sequence shown below is from the reference sequence of NM_016395. The complete sequence of this clone may contain minor differences, such as SNPs.
Blue=Stop Codon Red=Cloning site

GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAGGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
TATGGACAAAAAAAGAAAAAGATCCACTAAAAAGAAAGATTTAGATGGCTTCTTGCCAGTTTGAGCCTA
ATCTGATTCTTACAGTTTTACCTTCTTGAACCAATGTAAAAGTTTTTTTAATGTTAAATGATTAAATTC
TCAGTGAGGCTATCTTCCTTTTCCCCAGTAACATTCCTGAATTTACTGTTATCTTATTGTAGTACTTGC
ATGACATGGATTCCTGATATCTGATGAGAGGTTCATTCTTGTGTATTCAGTTAATGACACCAAAAGGCT
CAGCCCACCCCAACCCTATCTCATGTTCAGTCTGTCTAATACATGCCAGAGATTTTTTTTTCAAAAAGT
GCTTTATCCCTACAATGTACTGACAGTTCTTACAGTTGAGATTTGTTCTTTTCAGCTATTGCTTGTGAA
AAAAAGCAAGACTATGTCACTCTATAGAAGGCTGTTAAAGTGACTCAGGCAGGAATTAATTATTCTGTA
CCTAAGGGGTTACTTGTTTAATGGGATGGCATTGACTTTTTGAAAATCAAGTGGACTGAGTCATTGATA
AAACATTTCTAAGAGTGGGGCTAGAGAACATACTTTACATCTGACATCCTTTGGCCTAACAACATCTAT
TATTATAGTGCTCAGCAGTGTGGGCATTGAAGAGGCGCAGAATGCTTTGAAAGAAACTAATCAGAATCT
TGGAACATCATGATCATGCCATTCTTAAGTAAATCAACTATTTTCAACACTGAAGAAAAATGAAACATT
ATTTAGAAAACAATGAGATTACAAGTTCCAAACTCAGCCAGGAATGTGGCTCACACCTGTAATCCCAGC
ACTTTGGGACACCTAGGTGGGAGCATCGCTTGAAGCCAGGAGTTCAAGACCAGCTTGGGCAACGTAGTG
AGACCCCTATCTCTACAAAAAATAAAAAAATTAGCTGGGTGTGATGGCACACACCTGTTGTCCCAGCTA
CTCAAGAAGCTGAGATGGGAGGATCCTGAGCTCAGGAGGTCAAGGCTGCAGTGAGCCGAGATTGTGCCA
CTGCACTGCAGCTGGGGTGACAGTGCAAGACCCTGTCTCAAACCAAACCAAACCACACACACACAAACA
CACATACACACACACACACACGAGGTCCAAATGGTAGCAGGGATCCAAAGGGAACACAGTATGTAGGTC
AAACTGGCAGTAACAGTGTACAGCCTTTGACAAACTAGAAATATTAGAGTAGGCCAAACACACCTCCAA
ACTGTAAGGCTGTGCACAAACATAAAAAATGGCAGCCTTCCATCTCCTGCACTGGCTGAGTCCATTTAC
TTGTGTACTTGTTCTAGTGAGTGGTGGGACTGTACATTTTTGAATAGACCTCAAAAATACTTCATTCTG
CTGCTGTTCAGTTGGCTTTTTAAACCTGTCTGCAGTAGGACACTGAAAACAGCAAGAACTTCGGGGTGA
ACACCCGCTGATCCTTTAACAAGGATTTCTGGCAGGAAACTCACAAAAAGGAGAACTGAAAATTTAGAC
ATACAGTTGGCCATTGTAAAAAACATCAGTTTCCTCTCATACATTCCAAGTAAACCAAGTAAAATAAGT
GTTGGAGTAACACTTGCATAAAAGAATTTAAGGAGTGATAGCTCTTTCTGTTCTGCCATTCCCAACATT
CCTGGGGGAAAGGAGACTCAATGAGTTAATACTATTTCACTGAGCCCAAGATGGAAACTTGGTTTGACC
TAAAACATCTGATTAATATAGGCTAGCTGATTTCTTAAAAATTCGTTGCATTGAAGGATATTTTGCATG
TCTGTAACACCTGTCAATACTTGTTTGTATTGATTTCTGATATTCTTGCAGCTGACTACGTGTAATTGG
GCAGATCAGCTTTGCAGTAGATTATGCTGCATCCTCGTGGCAAAATTCTGTATTCTTAGTGATTGTTAC
AAACCCCTTTATTGCTGTCTGAGAAAGTGAAAGATTGTGTATTTCTATTAAAACATTTACAATCAAAA
ACGCGTAAGCGGCCGCGGCATCTAGATTCGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTTCGATTCCACCGCCGCCTTCTATGAAAGG

Restriction Sites: SgfI-MluI

OTI Disclaimer: Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences , e.g., single nucleotide polymorphisms (SNPs).

Components: The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.

RefSeq: NM_016395.4

Summary: 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. May be involved in Rac1-signaling pathways leading to the modulation of gene expression. Promotes insulin receptor/INSR autophosphorylation and is involved in INSR internalization (PubMed:25687571).[UniProtKB/Swiss-Prot Function]

Locus ID: 51495

MW: 76.3