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Product datasheet for SC128225

AADACL1 (NCEH1) (NM_020792) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	AADACL1 (NCEH1) (NM_020792) Human Untagged Clone
Tag:	Tag Free
Symbol:	AADACL1
Synonyms:	AADACL1; NCEH
Mammalian Cell Selection:	None
Vector:	pCMV6-XL5
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_020792, the custom clone sequence may differ by one or more nucleotides

AGCGGAGAGCAGCGACAGAGCCTTCCTCAAACCTGTAGTGACTGCCACACTTTGCAAGGACACCGTAGAG
GGGGCATGTCCGCGCTCCAACTTCCTCCCGACGCAGCCTCTGATTGGCTCCTGGGCTTATAAGAAACGCG
TGAATGAGCAGCTGCCGCGGGCAGAAAGTTGCCGGAGGTCTCCGGGTGGTATCGCCCTTTCCTCTTTGCC
AGCCCGCTGGCGAGCCGAGCCGGGGCAAGATGAGGTCGTCCTGTGTCCTGCTCACCGCCCTGGTGGCGCT
GGCCGCCTATTACGTCTACATCCCGCTGCCTGGCTCCGTGTCCGACCCCTGGAAGCTGATGCTGCTGGAC
GCCACTTTCCGGGGTGCACAGCAAGTGAGTAACCTGATCCACTACCTGGGACTGAGCCATCACCTGCTGG
CACTGAATTTTATCATTGTTTCTTTTGGCAAAAAAAGCGCGTGGTCTTCTGCCCAAGTGAAGGTGACCGA
CACAGACTTTGATGGTGTGGAAGTCAGAGTGTTTGAAGGCCCTCCGAAGCCCGAAGAGCCACTGAAACGC
AGCGTCGTTTATATCCACGGAGGAGGCTGGGCCTTGGCAAGTGCAAAAATCAGGTATTATGATGAGCTGT
GTACAGCAATGGCTGAGGAATTGAATGCTGTCATTGTTTCCATTGAATACAGGCTAGTTCCAAAGGTTTA
TTTTCCTGAGCAAATTCATGATGTTGTACGGGCCACAAAGTATTTCCTGAAGCCAGAAGTCTTACAGAAG
TATATGGTTGATCCAGGCAGAATTTGCATTTCTGGTGACAGTGCTGGTGGAAATCTGGCTGCTGCCCTTG
GACAACAGTTTACTCAAGATGCCAGCCTAAAAAATAAGCTCAAACTACAAGCTTTAATTTATCCAGTTCT
TCAAGCTTTAGATTTTAACACACCATCTTATCAGCAAAATGTGAACACCCCAATCCTGCCCCGCTATGTC
ATGGTGAAGTATTGGGTGGACTACTTCAAAGGCAACTATGACTTTGTGCAGGCAATGATCGTTAACAATC
ACACTTCACTTGATGTGGAAGAGGCTGCTGCTGTCAGGGCCCGTCTAAACTGGACATCCCTCTTGCCTGC
ATCCTTCACAAAGAACTACAAGCCTGTTGTACAGACCACAGGCAATGCCAGGATTGTCCAGGAGCTTCCT
CAGTTGCTGGATGCCCGCTCCGCCCCACTCATTGCAGACCAGGCAGTGCTGCAGCTCCTCCCAAAGACCT
ACATTCTGACGTGTGAGCATGATGTCCTCAGAGACGATGGCATCATGTATGCCAAGCGTTTGGAGAGTGC
CGGTGTGGAGGTGACCCTGGATCACTTTGAGGATGGCTTTCACGGATGTATGATTTTCACTAGCTGGCCC
ACCAACTTCTCAGTGGGAATCCGGACTAGGAATAGTTACATCAAGTGGCTAGATCAAAACCTGTAAAGGA
GCAAAACTTCCAGAAGCCTCGAGCCCCTCTTGACCTCCTACACCTGCTTTGGAAAGACATGCACTTTTTA
GTTGACTAATTCTTCCTCCCATTCCCCTCTACTTGCGAGTTATGGAATTTCTATTCCATAACTGAAGTCT

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TTATGATAACCTAATTTTTAAAAATGAATTTGACTAACTTAAGTGCAAAACATGTAAATTTGGTTCCCAG
AGTGGGCCAATCTCTCTGTTCTTGTTATCTTAGCCAACTATACTGATACCTACAGCTACAGAAAGCAGGA
CTAGGAACTGGAAATAACTTTGGGTCCTGCCTTCATTAGGACGTTCTTTTTAGAAGCAGTTCTTCCAGCT
CTGGATCATAGAGTGACCTTTAATAAGTTAAAAAAACGAGGACTCCTTAATTCTGCTAGAGTTAACCTTG
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TGAATGGATGGTTTTGTTTCCTATGGGAATTTTGGCAAAGGTTTTCTGGAAAGAACAAGTTTCTCAAAGG
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GCACACACTGCTCATCTCCGCTTTTTAGGGTCAGAGGAACACAAGCTCATGTTCTGAGTGAAGGGCGTAC
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TGTATTGTATGAGCCAGTAGCATTTTATGTACAAAACAGAAGTCAATGCAACAGTATGTATGTGTGCCTG
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CCTCGTCTTTCCTCCCTCTAAAATCAAAGAGCTGAATTATGTGATCCTTGAGGTCTCTTCCACTTATAAT
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TTTTAGTACTGTGGCTTTCTTTTCCTATTTTATGAAAAAAATGATAATCTTTTTGTAAAATTGTCTGTGA
AATATAAACATTAATATATAAAGAAAAACCTTGAAGTGCTGTATAGTGAAGTATAAATTAATGTTTTATT
GATTTGTGAAGAATTTAAGACTATTATATAATTATCTTGGTGGATCTATTTTATGCATGACCTTTTAACC
TTTGACTTTGCTTATTTCCCACTACGAAGGGGAAGGTAGATTTTATGAATGATTTTAATAGCAAATATAT
TTTATAAAGTGAAAATCCAGTGTGGAGGTAGCAAAGCATCTATCTATTCTGAATCATGTTTGGAAATAAA
ATTGCTCCATCTGGGAATGTGCTTTCAAAAAAAAAAAAAAAAAAAAAAAGAAAAAAAAAAAAAAA

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_020792 unedited
NNTTTTGTCCAGGTGCATAATTTGTNATACCACTCACTATAGGCGGCCGCATAACTTCGT
ATAGCATACATTATACGAAGTTATGGATCAGGCCAAATCGGCCGAGCTCGAATTCGTCGA
GAGCGGAGAGCAGCGACAGAGCCTTCCTCAAACCTGTAGTGACTGCCACACTTTGCAAGG
ACACCGTAGAGGGGGCATGTCCGCGCTCCAACTTCCTCCCGACGCAGCCTCTGATTGGCT
CCTGGGCTTATAAGAAACGCGTGAATGAGCAGCTGCCGCGGGCAGAAAGTTGCCGGAGGT
CTCCGGGTGGTATCGCCCTTTCCTCTTTGCCAGCCCGCTGGCGAGCCGAGCCGGGGCAAG
ATGAGGTCGTCCTGTGTCCTGCTCACCGCCCTGGTGGCGCTGGCCGCCTATTACGTCTAC
ATCCCGCTGCCTGGCTCCGTGTCCGACCCCTGGAAGCTGATGCTGCTGGACGCCACTTTC
CGGGGTGCACAGCAAGTGAGTAACCTGATCCACTACCTGGGACTGAGCCATCACCTGCTG
GCACTGAATTTTATCATTGTTTCTTTTGGCAAANAAAGCGCGTGGTCTTCTGCCCAAGTG
AAGGTGACCGACACAGACTTTGATGGTGTGGAAGTCAGAGTGTTTGAAGGCCCCTCGAAG
CCCGAGAGCCACTGAAACGCAGCGTCGTTTATATCCCCACGAGAGGCTGGGCCTTGGNCA
GTGCAAAAATCANGTATTATGATGAGCTGTGTACAGCAATGGCTGAGGAAATTGATGCTG
TCATTGTTTCCATTTGATACAGGCTAGTTCCAAAGGTTTATTTTCCTGAGCAAATCATGA
TGTTGTACGGNCCACAAATATTTTCTNGAACC

Restriction Sites: Please inquire

ACCN: NM_020792

Insert Size: 4300 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_020792.3, NP_065843.3

RefSeq Size: 4289 bp

RefSeq ORF: 1323 bp

Locus ID: 57552

UniProt ID: Q6PIU2

Cytogenetics: 3q26.31

Protein Families: Transmembrane

Gene Summary: Hydrolyzes 2-acetyl monoalkylglycerol ether, the penultimate precursor of the pathway for de novo synthesis of platelet-activating factor. May be responsible for cholesterol ester hydrolysis in macrophages, thereby contributing to the development of atherosclerosis. Also involved in organ detoxification by hydrolyzing exogenous organophosphorus compounds. May contribute to cancer pathogenesis by promoting tumor cell migration.[UniProtKB/Swiss-Prot Function]
Transcript Variant: This variant (2) uses an alternate in-frame splice site in the 5' coding region compared to variant 1. This results in a shorter protein (isoform b) compared to isoform a. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments. CCDS Note: The coding region has been updated to shorten the N-terminus to one that is more supported by available conservation data.