

Product datasheet for **SC320436**

Adipose Triglyceride Lipase (PNPLA2) (NM_020376) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Adipose Triglyceride Lipase (PNPLA2) (NM_020376) Human Untagged Clone
Tag:	Tag Free
Symbol:	Adipose Triglyceride Lipase
Synonyms:	1110001C14Rik; ATGL; FP17548; iPLA2zeta; PEDF-R; TTS-2.2; TTS2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_020376.2
 GGCACGAGGGCGGCCAGTACAGACGCAGGCAGCCCAAAGCCTGAACAGGCAGGGCCAG
 ACCCAGCTTCTTCGCCTCCGCCAGCGGGGACCCCGAGCTAGAGCCGCAGCGGGACCTGCC
 CGGCCCCCGGCTCCAGCGAGCGAGCGGGCAGCAGGCGGCTCACAGAGGCTGGCCGCCA
 CGGAACCCGGGGCCCGCGGCCCGCCGCGATGTTTCCCGCGAGAAGACGTGGAACAT
 CTCGTTTCGGGGCTGCGGCTTCTCGGCGTCTACTACGTCGGCGTGGCCCTCCTGCCTCCG
 GAGCACGCGCCCTTCTGGTGGCCAACGCCACGCACATCTACGGCGCCTCGGCCGGGGC
 GCTCACGGCCACGGCGCTGGTCACCGGGTCTGCCTGGGTGAGGCTGGTGCCAAGTTCAT
 TGAGGTATCTAAAGAGGCCCGGAAGCGGTTCTGGGCCCTGCACCCCTCCTTCAACCT
 GGTAAAGATCATCCGAGTTTCTGCTGAAGGTCTGCCTGCTGATAGCCATGAGCATGC
 CAGTGGGCGCCTGGGCATCTCCCTGACCCGCGTGTGAGACGGCGAGAATGTCATTATATC
 CCACTTCAACTCAAGGACGAGCTCATCCAGGCCAATGTCTGCAGCGTTTCATCCCGT
 GTACTGTGGGCTCATCCCTCCCTCCCTCAGGGGGTGCCTACGTGGATGGTGGCATTTC
 AGACAACCTGCCACTCTATGAGCTTAAGAACACCATCACAGTGTCCCTTCTCGGGCGA
 GAGTGACATCTGTCCGCAGGACAGCTCCACCAACATCCACGAGTGCAGGTCACCAACAC
 CAGCATCCAGTTCAACCTGCGCAACCTCTACCGCTCTCCAAGGCCCTCTCCCGCCGGA
 GCCCTGGTGTGCGAGAGATGTGCAAGCAGGGATACCGGATGGCTGCGCTTCTGCA
 GCGAACGGCCTCCTGAACCGGCCAACCCCTTGTGGCGTTGCCCCCGCCCGCCCCA
 CGGCCAGAGGACAAGGACCAGGAGTGGAGAGCGCCAAAGCGGAGGATTAAGTCCGAGCT
 GCCGGGAGAAGATCACATCTGGAGCACCTGCCCGCCGGCTCAATGAGGCCCTGCTGGA
 GGCCTGCGTGGAGCCACGGACCTGCTGACCACCTCTCCAACATGCTGCCTGTGCGTCT
 GGCCACGGCCATGATGGTGCCCTACACGCTGCCGCTGGAGAGCGCTCTGTCTTACCAT
 CCGTGTGCTGGAGTGGCTGCCGACGTTCCCGAGGACATCCGGTGGATGAAGGAGCAGAC
 GGGCAGCATCTGCCAGTACCTGGTGTGTCGCGCCAAGAGGAAGTGGGCAGGCACCTGCC
 CTCAGGCTGCCGGAGCAGGTGGAGCTGCGCCGCTCCAGTTCGCTGCCGTCCGTGCCGCT
 GTCCTGCGCCGCTACAGAGAGGCACTGCCCGGCTGGATGCGCAACAACCTCTCGCTGGG
 GGACGCGCTGGCCAAGTGGGAGGAGTGCACGCGCCAGCTGCTGCTCGGCTCTTCTGCAC
 CAACGTGGCCTTCCCGCCGAAGCTCTGCGCATGCGCGCACCCCGCCGACCCGGCTCCCGC
 CCCCAGGACCCAGCATCCCGCAGCACCAGCTGGCCGGGCTGCCCTTGTGAGCAC
 CCCTGCTCCCGAGGCCCGCCCGTGTGCGGGCCCTGGGGCTGTGAGACCCCGACCTCT
 CGAGGAACCTGCCTGAGACGCTCCATTACCCTGCGCAGTGTGATGAGGGGACTCACA
 GTTGCCAAGAGGGTCTTTGCCGTGGGCCCTCGCCAGCACTACCAGCTGCATGCAC
 TGAGAGGGGAGGTTTCCACACCCCTCCCTGGGCCGCTGAGGCCCGCGCACCTGTGCT
 TAATCTTCCCTCCCTGTGCTGCCCGAGCACCTCCCCCGCCCTTACTCCTGAGAACTT
 TGCAGTGCCTTCCCTCCCGTTTTTCATGGCCTGCTGAAATATGTGTGTAAGAATTA
 TTTATTTTCGCCAAAGCACATGTAATAAATGCTGCAGCCCAAAAAAAAAAAAAAAAAAAAA
 AAAAAAAAAAAAAAAAAAAAAA

Restriction Sites: Please inquire

ACCN: NM_020376

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).

OTI Annotation: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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:	<u>NM_020376.2</u> , <u>NP_065109.1</u>
RefSeq Size:	2113 bp
RefSeq ORF:	1515 bp
Locus ID:	57104
UniProt ID:	<u>Q96AD5</u>
Cytogenetics:	11p15.5
Protein Families:	Transmembrane
Gene Summary:	This gene encodes an enzyme which catalyzes the first step in the hydrolysis of triglycerides in adipose tissue. Mutations in this gene are associated with neutral lipid storage disease with myopathy. [provided by RefSeq, Jul 2010]