

## Product datasheet for **SC106181**

### Adipose Triglyceride Lipase (PNPLA2) (BC017280) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Adipose Triglyceride Lipase (PNPLA2) (BC017280) Human Untagged Clone
Tag:	Tag Free
Symbol:	Adipose Triglyceride Lipase
Synonyms:	1110001C14Rik; adipose triglyceride lipase; ATGL; DESNUTRIN; DKFZp667M109; FP17548; patatin-like phospholipase domain containing 2; PEDF-R; pigment epithelium-derived factor; transport-secretion protein 2.2; triglyceride hydrolase; TTS-2.2; TTS2
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL6</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)



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**Fully Sequenced ORF:** >NCBI ORF sequence for BC017280, the custom clone sequence may differ by one or more nucleotides

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ATGTTTCCCCGCGAGAAGACGTGGAACATCTCGTTCGCGGGCTGCGGCTTCTCGGCGTCTACTACGTCG
GGTGGCCTCCTGCCTCCGCGAGCAGCGCCCTTCTGGTGGCCAAACGCCACGCACATCTACGGCGCCTC
GGCCGGGGCGCTCAGGCCACGGCGCTGGTCACCGGGGTCTGCCCTGGGTGAGGCTGGTGCCAAGTTCATT
GAGGTATCTAAAGAGGCCCGGAAGCGGTTCTGGGCCCTGCACCCCTCCTTCAACCTGGTAAAGATCA
TCCGCAGTTTCTGCTGAAGTCTGCCTGCTGATAGCCATGAGCATGCCAGTGGGCGCCTGGGCATCTC
CCTGACCCGCGTGTGACAGCGGAGAATGTCATTATATCCCACTTCAACTCCAAGGACGAGCTCATCCAG
GCCAATGTCTGCAGCGGTTTCATCCCCGTACTGTGGGCTCATCCCTCCCTCCCTCCAGGGGTGCGCT
ACGTGGATGGTGGCATTTCAGACAACCTGCCACTCTATGAGCTTAAGAACCACATCACAGTGTCCCCCTT
CTCGGGCAGAGTGACATCTGTCCGAGGACAGCTCCACCAACATCCACGAGCTGCGGGTACCAACACC
AGCATCCAGTTCAACCTGCGCAACCTCTACCGCTCTCCAAGGCCCTTCCCGCCGAGGCCCTGGTGC
TGGCAGAGATGTCAAGCAGGATACCGGGATGGCTGCGCTTTCTGCAGCGGAACGGCCTCTGAACCG
GCCAACCCTTCTGGGTTGCCCGCCCGCCCGCCACGGCCAGAGGACAAGGACCAGGCGAGTGGAG
AGCGCCCAAGCGGAGGATTACTCGCAGCTGCCGGGAGAAGATCACATCTGGAGCACCTGCCCGCCGGC
TCAATGAGGCCCTGCTGGAGGCTGCGTGGAGCCACGGACCTGCTGACCACCCTCTCAACATGCTGCC
TGTGCGTCTGGCCACGGCCATGATGGTGCCTACACGCTGCCGCTGGAGAGCGCTCTGTCCTTACCATC
CGTTGCTGGAGTGGCTGCCGACGTTCCCGAGGACATCCGGTGGATGAAGGAGCAGACGGGCAGCATCT
GCCAGTACCTGGTATGCGCGCCAAGAGGAAGCTGGGCAGGCACCTGCCCTCCAGGCTGCCGGAGCAGGT
GGAGTGCGCCGCGTCCAGTCCGCTGCCGTCCGTGCCGTGCTCTGCGCCGCTACAGAGAGGCACTGCC
GGCTGGATGCGCAACAACCTCTCGTGGGGGACGCGCTGGCCAAGTGGGAGGAGTCCAGGCCAGTGGC
TGCTCGGCTCTTCTGCACCAACGTGGCCTTCCCGCCGAAGCTCTGCGCATGCGCGCACCCGCCGACCC
GGCTCCCGCCCGCGGACCCAGCATCCCCGAGCACCAGCTGGCCGGGCTGCCCTTCTGAGCACC
CCTGCTCCGAGGCCCGGCCGTCGATCGGGCCCTGGGGCTGTGA
    
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**5' Read Nucleotide Sequence:** >OriGene 5' read for BC017280 unedited

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CCGCCCCGTTGCCGCAAAGGGCGGTAGGCGTGTACGGTGGNGAGGTCTATATAAGCAGAG
CTCATTTAGGTGACACTATAGAATACAAGCTACTTGTCTTTTTGCAGCGGCCGGAATT
CGGCAGAGGGGGACCCCGAGCTAGAGCCGACGCGGACCTGCCCGCCCCCGGCTCCAG
CGAGCGAGCGGGCAGCAGCGGCTCACAGAGCCTGGCCGCCACGGAACCCGGGCCCCG
GCGGCCGCGCCGCGATGTTTCCCGCGAGAAGACGTGGAACATCTCGTTCGCGGGCTGC
GGCTTCTCGGCTTACTACGTCGGCTGGCCTCCTGCCTCCGCGAGCACGCGCCCTTCT
CTGGTGGCCAACGCCACGCACATCTACGGCGCCTCGCCGGGGCGCTCACGGCCACGGCG
CTGGTACCGGGTCTGCCTGGGTGAGGCTGGTGCCAAGTTCATTGAGGTATCTAAAGAG
GCCCGGAAGCGGTTCTGGGCCCTGCACCCCTCCTTCAACCTGGTAAAGATCATCCG
AGTTTCTGCTGAAGTCTGCCTGCTGATAGCCATGAGCATGCCAGTGGGCGCCTGGGC
ATCTCCCTGACCCGCGTGTGACAGCGGAGAATGTCATTATATCCCACTTCAACTCCAG
GACGAGCTCATCCAGGCAATGTCTGCAGCGGTTTCATCCCCGTACTGTGGGCTCATC
CCTCCCTCCTCCAGGGGTGCGCTACGTGCATGGTGCCATTTACAGACACTGCCACTCTA
TGAGCTTAAGACACCATCACAGTGTCCCCCTTCTCGGGCAGAGTGACATCTGGTCCGCA
GGAAGGTTCCCAACATTACAGACTGCGGGGTTACAACACCAGCATTAGTTTAACTTG
GGGCACCTCTACCGCTCTTCCAAGGCCNTTCCCGNCGAGACCCTGGTGTGTNAAG
AGAAGTGAACCCGGAACCCGGATGCCCTGCGCTTCTGCG
    
```

**Restriction Sites:** NotI-NotI  
**ACCN:** BC017280  
**Insert Size:** 2000 bp

<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">BC017280.2</a> , <a href="#">AAH17280.1</a>
<b>RefSeq Size:</b>	2113 bp
<b>RefSeq ORF:</b>	1515 bp
<b>Locus ID:</b>	57104
<b>Cytogenetics:</b>	11p15.5
<b>Domains:</b>	Patatin
<b>Protein Families:</b>	Transmembrane
<b>Gene Summary:</b>	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]