

Product datasheet for **SC318595**

PNPLA7 (NM_152286) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PNPLA7 (NM_152286) Human Untagged Clone
Tag:	Tag Free
Symbol:	PNPLA7
Synonyms:	C9orf111; NTE-R1; NTEL1
Vector:	<u>pCMV6 series</u>
Fully Sequenced ORF:	>NCBI ORF sequence for NM_152286, the custom clone sequence may differ by one or more nucleotides <pre> ATGGAGGAAGAGAAAGATGACAGCCACAGCTGACGGGGATTGCAGTTGGAGCCCTCCTG GCCCTGGCCTTGGTTGGTGTCTCATCCTTTTCATGTTTCTGAGAGGCTTAGACAATTTCTGA CAAGCACAGCCCACTCTCAGTACCGGTTCCGGAAGAGAGACAAAGTGATGTTTTACGGC CGGAAGATCATGAGGAAGGTGACCACACTCCCCAACACCCTTGTGGAGAACTGCCCCTG CCCCGGCAGCGGGCCAGGAAGAGGACCAAGGTGCTGTCTTTGGCCAAGAGGATTCTGCGT TTCAAGAAGGAATACCCGGCCCTGCAGCCCAAGGAGCCCCGCCCTCCCTGCTGGAGGCC GACCTCACGGAGTTTGACGTGAAGAATTCTCACCTGCCATCGGAAGTTCTGTACATGCTG AAAAACGTTTCGGGTCTGGGCCACTTTGAGAAGCCGCTGTTCTGAGCTTTGCAAAACAC ATCGTCTTTGTGAGCTGCAGGAAGGGGAGCACGTCTTCAGCCAGGGAGCCGGACCCC AGCATCTGTGTGGTGCAGGACGGGCGGCTGGAGGTCTGCATCCAGGACACTGACGGCACC GAGGTGGTGGTGAAAGAGGTTCTGGCGGGAGACAGCGTCCACAGCCTGCTCAGCATCCTG GACATCATCACGGCCATGCTGCACCTTACAAAACGGTCTCCGTCCGCGCGGCCATCCCG TCCACCATCCTCCGGCTTCCAGCTGCGGCTTTTCATGGAGTTTTTGAGAAATATCCGGAA ACTCTGGTGAGGGTGGTGCAGATCATCATGGTGGGCTGCAGAGGGTGACCTTTCTGGCT CTGCACAACTACCTCGGCCTGACCACAGAGCTCTTCAACGCTGAGAGCCAGGCCATCCCT CTCGTGTCTGTAGCCAGTGTGGCTGCCGGAAGGCCAAGAAGCAGGTGTTCTATGGCGAA GAAGAGCGGCTTAAAAAGCCACCGCGGCTCCAGGAGTCTGTGACTCAGATCACGGGGGC GGCCGCCCGGCAGCTGCTGGGCCCTGTGAAGAGGAGCCACTCCGTCCCCGCGCCTTCC ATTCGCAACAGATCTTGAGGAGCTGGAGAAGCCCGGGCAGGTGACCCTGACCCTTCG GCCCCACAAGGGGGCCAGGCAGTGCCACTTCTGATCTGGGGATGGCATGTGACCGTGCC AGGGTCTTCTGCACTCGGACGAGCACCCCGGAGCTCCGTGGCCAGCAAGTCCAGGAAA AGCGTGATGGTTGCAGAGATACCCTCCACGGTCTCCAGCACTCAGAGAGTCACACGGAT GAGACCCTGGCCAGCAGGAAGTCGGATGCCATCTTCAGAGCTGCCAAGAAGGACCTGCTC ACCCTGATGAAGCTGGAAGACTCATCTCTGTTGGATGGCCGGGTGGCGCTTCTGCACGTT CCTGCAGGCACGGTGGTGTCAAGGCAGGGAGACCAGGACGCCAGCATCCTGTTCTGGTGC TCGGGGCTGCTGCACGTGTACCAGCGGAAGATCGGCAGCCAGGAGGACACCTGCTTGTTCT CTACGCGCCCCGGGAGATGGTGGGCCAGCTGGCCGTGCTCACCGGGGAGCCTCTCATC TTCACCGTCAAGGCCAACAGGACTGCAGCTTCTGTCCATCTCCAAGGCCCACTTCTAT GAAATCATGCGGAAGCAGCCGACCGTCGTCCTGGGTGTGGCGCACACTGTGGTGAAGAGG </pre>



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ATGTCGTCCTTCGTGCGGCAAAATCGACTTTGCCCTGGACTGGGTGGAGGTGGAGGCCGGG
 CGAGCAATATACAGGCAGGGGGACAAGTCCGACTGCACGTACATCATGCTCAGCGGCCGG
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 GTGGTGAAGAGCAGTGACTACTGCGAGTACCTGCGCCCCCATCGACAGCTACAGCACC
 CTGGACTTCGGCAAGTTCAACGAGATCTCGAAGTGGGCTACCAGCACGGGCGCACGGTG
 TTTGACATCTGGGCGCGACGCGGTGCTGGAGAAGATGCTCCGCGACCGACGAGGGCCG
 AGCAAGAAGCCCGCAGTGCGGTCTCACCTGTCCCAACGCCTCCTTACGGACCTTGCC
 GAAATTGTGTCTCGCATTGAGCCCGCAAGCCCGCCATGGTGGATGACGAATCTGACTAC
 CAGACGGAGTACGAGGAGGAGTGTGACGTCCCCAGGGATGCATACGCAGACTTCCAG
 AGCACCTCAGCCAGCAGGGCTCAGACTTGAGGAGCAGTCTCACTGCGGCATCGACAC
 CCCAGTCTGGCTTTCCAAAACGTGTGAGGGCTCCTCTGACCAGGACGGG

Restriction Sites: Please inquire

ACCN: NM_152286

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:	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_152286.3, NP_689499.3</u>
RefSeq Size:	4731 bp
RefSeq ORF:	3954 bp
Locus ID:	375775
UniProt ID:	<u>Q6ZV29</u>
Cytogenetics:	9q34.3
Domains:	cNMP, Patatin
Protein Families:	Transmembrane
Gene Summary:	Human patatin-like phospholipases, such as PNPLA7, have been implicated in regulation of adipocyte differentiation and have been induced by metabolic stimuli (Wilson et al., 2006 [PubMed 16799181]).[supplied by OMIM, Jun 2008] Transcript Variant: This variant (2) lacks an alternate in-frame exon compared to variant 1. The resulting isoform (b) has the same N- and C-termini but is shorter compared to isoform a.