

## Product datasheet for **SC108881**

### 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                                                                           |
| Mammalian Cell Selection: | None                                                                                              |
| Vector:                   | <u>pCMV6-XL4</u>                                                                                  |
| E. coli Selection:        | Ampicillin (100 ug/mL)                                                                            |
| Fully Sequenced ORF:      | >NCBI ORF sequence for NM_152286, the custom clone sequence may differ by one or more nucleotides |

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ATGGAGGAAGAGAAAGATGACAGCCACAGCTGACGGGGATTGCAGTTGGAGCCCTCCTGGCCCTGGCCT
TGGTTGGTGTCTCATCTTTTCATGTTTCAGAAGGCTTAGACAATTTGACAAGCACAGCCCACTCTCA
GTACCGGTTCCGGAAGAGAGACAAAGTGATGTTTTACGGCCGGAAGATCATGAGGAAGGTGACCACACTC
CCCAACACCCCTTGTGGAGAACTGCCCTGCCCGGCAGCGGGCCAGGAAGAGGACCAAGGTGCTGTCTT
TGGCCAAGAGGATTCTGCGTTTCAAGAAGGAATACCCGGCCCTGCAGCCCAAGGAGCCCCGCCCTCCCT
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TGCAGCTGCAGGAAGGGGAGCACGTCTTCCAGCCAGGGAGCCGACCCAGCATCTGTGTGGTGCAGGA
CGGGCGGCTGGAGGTCTGCATCCAGGACACTGACGGCACCGAGGTGGTGGTGAAGAGGTTCTGGCGGGA
GACAGCGTCCACAGCCTGCTCAGCATCTTGACATCATCACCGGCCATGCTGCACCTTACAAAACGGTCT
CCGTCCGCGCGGCCATCCCGTCCACCATCTCCGGCTTCCAGTGCAGCTTTTTCATGGAGTTTTTGAGAA
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AGCGTGATGGTTGCAGAGATACCCTCCACGGTCTCCAGCACTCAGAGAGTCACACGGATGAGACCCTGG
CCAGCAGGAAGTCGGATGCCATCTTCAAGCTGCCAAGAAGGACCTGCTCACCTGATGAAGCTGGAAGA
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GACCAGGACGCCAGCATCTGTTCGTGGTCTCGGGGCTGCTGCAGTGTACCAGCGGAAGATCGGCAGCC
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GCCTCTCATCTTCACCGTCAAGGCCAACAGGAGCTGCAGCTTCTGTCCATCTCCAAGGCCCACTTCTAT  
GAAATCATCGGGAAGCAGCCGACCGTCTGCTGGGTGTGGCGCACTGTGGTGAAGAGGATGTCGTCTT  
TCGTGCGGCAAATCGACTTTGCCCTGGACTGGGTGGAGGTGGAGGCCGGGCAGCAATATACAGGCAGGG  
GGACAAGTCCGACTGCAGTACATCATGCTCAGCGGCCGGCTGCGCTCTGTGATCCGAAGGATGATGGG  
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CCCGGGCGACCAGGTGCATGCCGTTTCGGGACTCAGAATTGGCCAAGCTGCCGGCAGGAGCCCTACAGTC  
CATCAAGCGCAGGTACCCACAGGTGGTGA CTGCGCTGATTCATCTCTTGGGTGAGAAGATCCTGGGCAGC  
CTCCAGCAGGGACCTGTGACAGGCCACCAGCTTGGGCTCCCCACGGAGGGCAGCAAGTGGGACTTGGGGA  
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CCTGGAGCTGGAGCATGCCCTCAGCGCCATCGGCCCGACCTGCTGCTGACTAGTGACAACATAAAACGG  
CGCCTTGGCTCCGCTGCCCTGGACAGTGTTACAGAGTACCGGCTGTCCAGCTGGCTGGGGCAGCAGGAGG  
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GAGCAAGAGGCTGTGCCAGGTGGGCGTTCTCAAGGCCTTGGCGGAGTGCGGCATCCCTGTGGACATGGT  
GGGAGGCACGTCCATCGGGGCTTCGTGGGTGCCCTGTACTCTGAGGAGCGGAACACAGCCAGATGCGC  
ATCCGGGCCAAGCAGTGGGCGGAGGGCATGACGTCTTGATGAAGGCCGCGCTGGACCTCACCTACCCCA  
TCAGTCCATGTTCTCCGGAGCCGGCTTCAACAGCAGCATCTTCAGCGTCTTCAAGGACCAGCAGATCGA  
GGACCTGTGGATTCTTATTTGCCATCACCAACGACATCACAGCTCGGCCATGCGGGTCCACACCGAC  
GGCTCCCTGTGGTGGTACGTGCGTGCCAGCATGTCCCTGTCCGGTTACATGCCCCCTCTCTGTGACCCGA  
AGGACGGACACCTGCTGATGGACGGGGGTACATCAACAACCTCCCAGCGGATGTGGCCCGGTCCATGGG  
GGCAAAAGTGGTGATCGCCATTGACGTGGGCAGCCGAGATGAGACGGACCTCACCAACTATGGGGATGCG  
CTGTCTGGTGGTGGCTGCTGTGGAACGCTGGAACCCCTTGGCCACGAAAGTCAAGGTGTTGAACATGG  
CAGAGATTACAGACGCGCTGGCCTACGTGTGTTGCGTGCGGCAGCTGGAGGTGGTGAAGAGCAGTGA  
CTGCGAGTACCTGCGCCCCCATCGACAGCTACAGCACCCTGGACTTCGGCAAGTTCAACGAGATCTGC  
GAAGTGGGTACACAGACGGGCGCACGGTGTTTGACATCTGGGGCCGACGCGCGTGCTGGAGAAGATGC  
TCCGCGACCAAGCAGGGGCCGAGCAAGAAGCCGCGAGTCGGTGCTCCTCAGCTGTCCCAACGCTCTTAC  
GGACTTGGCGAAATTGTCTCGCAATTGAGCCGCCAAGCCCGCATGGTGGATGACGAATCTGACTAC  
CAGACGAGTAGTACGAGGAGGAGCTGCTGGAGCTCCCAAGGATGCATACGACAGACTTCAGAGCACCTCAG  
CCCAGCAGGGCTCAGACTTGGAGGACGAGTCTCACTGCGGCATCGACACCCAGTCTGGCTTTCACAA  
ACTGTCTGAGGGCTCCTCTGACCAGGACGGGTAG

**5' Read Nucleotide Sequence:**

>OriGene 5' read for NM\_152286 unedited  
 CACAATTTGTAATACGACTCACTATAGGGCGGCCCGCAATTTCGCACCAGGGNAGGACAC  
 CTGCTTGTTCCTCACGCGCCCCGGGAGATGGTGGGCCAGCTGGCCGTGCTCACCGGGGA  
 GCCTCTCATCTTCACCGTCAAGGCCAACAGGGACTGCAGCTTCTGTCCATCTCCAAGGC  
 CCACTTCTATGAAATCATGCGGAAGCAGCCGACCGTCGTCTGGGTGTGGCGCACACTGT  
 GGTGAAGAGGATGTCGTCTTCGTGCGGCAAATCGACTTTGCCCTGGACTGGGTGGAGGT  
 GGAGGCCGGGCGAGCAATATACAGGCAGGGGGACAAGTCCGACTGCACGTACATCATGCT  
 CAGCGGCCGGCTCGCTCTGTGATCCGGAAGGATGATGGGAAGAAGCGCCTGGCCGGGA  
 GTACGGCCGAGGAGACCTCGTCGCGTGGTGGAGACACTGACCCACCAGGCCGGGCGAC  
 CACGGTGCATGCCGTTCCGGACTCAGAATTGGCCAAGCTGCCGGCAGGAGCCCTCACGTC  
 CATCAAGCGCAGGTACCCACAGGTGGTACTCGGCTGATTCTCTTGGGTGAGAAGAT  
 CCTGGGACGCTCCAGCAGGGACCTGTGACAGGCCACCAGCTTGGGCTCCCCACGAGGG  
 CAGCAAGTGGGACTTGGGAACCCGGCTGTCAACCTGTCCACGGTGGCAGTGATGCCGT  
 GTCAGAAGAAGTCCCCCTACCGCCTTCGCCCTGGAGCTGGAGCATGCCCTCAGCGCCAT  
 CGGCCCGACCTGCTGCTGACTAGTGACAACATAAACGGCGCCTTGGCTCCGCTGCCCTG  
 GACAGTGTNCACAGTACCCGCTGTNCAGCTGGCTGGGGCAGCNAGAGGACACCCACAGA  
 TCGTGCTCTACAGCAGATGGACGCTCACACCTGGACCANNNGCTGNTGCGCCAGCGACTG  
 ATNCTCATCGTGGCCCTGGTGACCAGAGCCC

**3' Read Nucleotide Sequence:**

>OriGene 3' read for NM\_152286 unedited  
 AACTAATAACCGCGCCGCAATTCTANGATCGATTTTTTTTTTTTTTTTTTTTTTTTTTTT  
 TTTTTTTTTTTTTTTTTTTTTTTTTTTAAACAGGGAGAACCACCTTTTATTGAAACATCAC  
 ACGGGAGCATCAGGGCTCCACACCTCACAGGGCAACAGGCAGTTCACAGGACAACAGGC  
 AGTTCACAGGGCTTTGGGGGCCCCACAGGGCAACTTGTCTTCAAAGGGCTTCGGGGGGC  
 CCCACAGGGCTTCGGGGGCCCCACAGGGCTGCAGGGGTTCAAAAACCTTCAGGGGGCC  
 CAAAAACTTCAGGGGCCCCACAAGACTGCAGGGGGGCTCAAAAGGCCCTGTATGCCGGG  
 CTGCTGGTACAAAAAAAAGCCCCAAAAACCCTAACACAACCTGGGGCCCCGGGGAATC  
 AAGGCTTCCAACAGGGCAGGGACCAAGCCCTAAGACTTGGCAGGAACCCCAACCTGG  
 GGACAATCCCCCGAAAAACCTTCATCCGGGCTTTTTAAACAAAAGCCCTACCCCTCCCG  
 GGCAAAAGAACCCCAAAAAATTTGGGAAAACCAACGGGGGTCCAACCCCAATGA  
 AGACCCCTCCCCAAATTTGAACCCCGTGGGCTGAAGGGCCCCGAAATCTGCCTATGC  
 CACCCCGGGGAATTCAAGAACCCCCCGGACCCCGTTGGGAAGCCAAATCTCATC  
 CCCAAGGGCGGCTTTGGCGGCCAATGCCAAAACAAATTTTCCCAAGGCCTTGAAAGAA  
 GCCTTTGGACAAGTGAAGAACCCCTTCCCGGGCTTTTTGTTCCGCCCTGGTGGTTCCGGC  
 AAAATTTTTTCAAACCCCGTTGGGGCCCCAAAAGTAAAAAACGGGCGCCCGGGCGGG  
 GGAGCCACTTTCAAATCTGTTTAAACTTGCAAAACCCGGGGGCCGT

**Restriction Sites:**

NotI-NotI

**ACCN:**

NM\_152286

**Insert Size:**

3000 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).

|                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|-------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <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>                | <u>NM_152286.1, NP_689499.1</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>RefSeq Size:</b>           | 2570 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>RefSeq ORF:</b>            | 2109 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Locus ID:</b>              | 375775                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>UniProt ID:</b>            | <u>Q6ZV29</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Cytogenetics:</b>          | 9q34.3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Domains:</b>               | cNMP, Patatin                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Protein Families:</b>      | Transmembrane                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Gene Summary:</b>          | <p>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]</p> <p>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.</p>                                                                             |