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Product datasheet for SC316448

PNPLA7 (NM_001098537) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PNPLA7 (NM_001098537) Human Untagged Clone
Tag:	Tag Free
Symbol:	PNPLA7
Synonyms:	C9orf111; NTE-R1; NTEL1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

Fully Sequenced ORF:

>SC316448 representing NM_001098537.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

GCTCGTTTAGTGAACCGTCAGAATTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGAGGAAGAGAAAGATGACAGCCCACAGGCTGACTTCTGCCTGGGCACCGCCCTGCACTCTTGGGGA
CTGTGGTTCACGGAGGAAGGTTCACCGTCCACCATGCTGACGGGGATTGCAGTTGGAGCCCTCCTGGCC
CTGGCCTTGGTTGGTGTCCTCATCCTTTTCATGTTCAGAAGGCTTAGACAATTTCGACAAGCACAGCCC
ACTCCTCAGTACCGGTTCCGGAAGAGAGACAAAGTGATGTTTTACGGCCGGAAGATCATGAGGAAGGTG
ACCACACTCCCCAACACCCTTGTGGAGAACACTGCCCTGCCCCGGCAGCGGGCCAGGAAGAGGACCAAG
GTGCTGTCTTTGGCCAAGAGGATTCTGCGTTTCAAGAAGGAATACCCGGCCCTGCAGCCCAAGGAGCCC
CCGCCCTCCCTGCTGGAGGCCGACCTCACGGAGTTTGACGTGAAGAATTCTCACCTGCCATCGGAAGTT
CTGTACATGCTGAAAAACGTTCGGGTCCTGGGCCACTTTGAGAAGCCGCTGTTCCTGGAGCTTTGCAAA
CACATCGTCTTTGTGCAGCTGCAGGAAGGGGAGCACGTCTTCCAGCCCAGGGAGCCGGACCCCAGCATC
TGTGTGGTGCAGGACGGGCGGCTGGAGGTCTGCATCCAGGACACTGACGGCACCGAGGTGGTGGTGAAA
GAGGTTCTGGCGGGAGACAGCGTCCACAGCCTGCTCAGCATCCTGGACATCATCACCGGCCATGCTGCA
CCTTACAAAACGGTCTCCGTCCGCGCGGCCATCCCGTCCACCATCCTCCGGCTTCCAGCTGCGGCTTTT
CATGGAGTTTTTGAGAAATATCCGGAAACTCTGGTGAGGGTGGTGCAGATCATCATGGTGCGGCTGCAG
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GCCATCCCTCTCGTGTCTGTAGCCAGTGTGGCTGCCGGGAAGGCCAAGAAGCAGGTGTTCTATGGCGAA
GAAGAGCGGCTTAAAAAGCCACCGCGGCTCCAGGAGTCCTGTGACTCAGATCACGGGGGCGGCCGCCCG
GCAGCTGCTGGGCCCCTGCTGAAGAGGAGCCACTCCGTCCCCGCGCCTTCCATTCGCAAACAGATCTTG
GAGGAGCTGGAGAAGCCCGGGGCAGGTGACCCTGACCCTTCGGCCCCACAAGGGGGCCCAGGCAGTGCC
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GAGAGTCACACGGATGAGACCCTGGCCAGCAGGAAGTCGGATGCCATCTTCAGAGCTGCCAAGAAGGAC
CTGCTCACCCTGATGAAGCTGGAAGACTCATCTCTGTTGGATGGCCGGGTGGCGCTTCTGCACGTTCCT

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GCAGGCACGGTGGTGTCAAGGCAGGGAGACCAGGACGCCAGCATCCTGTTCGTGGTCTCGGGGCTGCTG
CACGTGTACCAGCGGAAGATCGGCAGCCAGGAGGACACCTGCTTGTTCCTCACGCGCCCCGGGGAGATG
GTGGGCCAGCTGGCCGTGCTCACCGGGGAGCCTCTCATCTTCACCGTCAAGGCCAACAGGGACTGCAGC
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CTCGTCGGCGTGGTGGAGACACTGACCCACCAGGCCCGGGCGACCACGGTGCATGCCGTTCGGGACTCA
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CTGATTCATCTCTTGGGTGAGAAGATCCTGGGCAGCCTCCAGCAGGGACCTGTGACAGGCCACCAGCTT
GGGCTCCCCACGGAGGGCAGCAAGTGGGACTTGGGGAACCCGGCTGTCAACCTGTCCACGGTGGCAGTG
ATGCCCGTGTCAGAGGAAGTGCCCCTCACCGCCTTCGCCCTGGAGCTGGAGCATGCCCTCAGCGCCATC
GGCCCGACCCTGCTGCTGACTAGTGACAACATAAAACGGCGCCTTGGCTCCGCTGCCCTGGACAGTGTT
CACGAGTACCGGCTGTCCAGCTGGCTGGGGCAGCAGGAGGACACCCACAGGATCGTGCTCTACCAGGCA
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GGTGACCAGGAGCCCACAGTGGGCGAGCTGGAGCGGATGCTGGAGAGCACAGCTGTGCGTGCCCAGAAG
CAGCTGATCCTGCTGCACAGGGAGGAGGGCCCGGCGCCAGCGCGCACCGTGGAGTGGCTCAACATGCGG
AGCTGGTGCTCCGGCCACCTGCACCTCTGCTGCCCGCGCCGCGTCTTCTCCAGGAGGAGCCTGCCCAAG
CTGGTGGAGATGTACAAGCATGTCTTCCAGCGGCCCCCGGACCGACACTCAGACTTCTCCCGCCTGGCG
AGGGTGCTGACGGGCAACGCCATTGCCCTGGTGCTTGGGGGAGGGGGAGCAAGAGGCTGTGCCCAGGTG
GGCGTTCTCAAGGCCTTGGCGGAGTGCGGCATCCCTGTGGACATGGTGGGAGGCACGTCCATCGGGGCC
TTCGTGGGTGCCCTGTACTCTGAGGAGCGGAACTACAGCCAGATGCGGATCCGGGCCAAGCAGTGGGCC
GAGGGCATGACGTCCTTGATGAAGGCCGCGCTGGACCTCACCTACCCCATCACGTCCATGTTCTCCGGA
GCCGGCTTCAACAGCAGCATCTTCAGCGTCTTCAAGGACCAGCAGATCGAGGACCTGTGGATTCCTTAT
TTCGCCATCACCACCGACATCACAGCCTCGGCCATGCGGGTCCACACCGACGGCTCCCTGTGGTGGTAC
GTGCGTGCCAGCATGTCCCTGTCCGGTTACATGCCCCCTCTCTGTGACCCGAAGGACGGACACCTGCTG
ATGGACGGGGGCTACATCAACAACCTCCCAGCGGATGTGGCCCGGTCCATGGGGGCAAAAGTGGTGATC
GCCATTGACGTGGGCAGCCGAGATGAGACGGACCTCACCAACTATGGGGATGCGCTGTCTGGGTGGTGG
CTGCTGTGGAAACGCTGGAACCCCTTGGCCACGAAAGTCAAGGTGTTGAACATGGCAGAGATTCAGACG
CGCCTGGCCTACGTGTGTTGCGTGCGGCAGCTGGAGGTGGTGAAGAGCAGTGACTACTGCGAGTACCTG
CGCCCCCCCATCGACAGCTACAGCACCCTGGACTTCGGCAAGTTCAACGAGATCTGCGAAGTGGGCTAC
CAGCACGGGCGCACGGTGTTTGACATCTGGGGCCGCAGCGGCGTGCTGGAGAAGATGCTCCGCGACCAG
CAGGGGCCGAGCAAGAAGCCCGCGAGTGCGGTCCTCACCTGTCCCAACGCCTCCTTCACGGACCTTGCC
GAAATTGTGTCTCGCATTGAGCCCGCCAAGCCCGCCATGGTGGATGACGAATCTGACTACCAGACGGAG
TACGAGGAGGAGCTGCTGGACGTCCCCAGGGATGCATACGCAGACTTCCAGAGCACCTCAGCCCAGCAG
GGCTCAGACTTGGAGGACGAGTCCTCACTGCGGCATCGACACCCCAGTCTGGCTTTCCCAAAACTGTCT
GAGGGCTCCTCTGACCAGGACGGGTAG
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC

Restriction Sites: SgfI-MluI

ACCN: NM_001098537

Insert Size: 4029 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).

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:	NM_001098537.2
RefSeq Size:	4855 bp
RefSeq ORF:	4029 bp
Locus ID:	375775
UniProt ID:	Q6ZV29
Cytogenetics:	9q34.3
Protein Families:	Transmembrane
MW:	148.4 kDa
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 (1) represents the longer transcript and encodes the longer isoform (a).