

Product datasheet for **SC327303**

NTE (PNPLA6) (NM_001166112) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	NTE (PNPLA6) (NM_001166112) Human Untagged Clone
Tag:	Tag Free
Symbol:	PNPLA6
Synonyms:	BNHS; iPLA2delta; LNMS; NTE; NTEMND; OMCS; SPG39; sws
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_001166112, the custom clone sequence may differ by one or more nucleotides

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ATGGAGGCTCCGCTGCAAACCTGGAATGGTGTCTGGCGTGATGATCGGGGCCGGAGTGGCG
GTGGTGGTCACGGCCGTGCTCATCCTCCTGGTGGTGCAGGAGCTGCGAGTGCCAAAAACC
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GAAGCTGACCTGACCGAGGGCGACCTGGCTAACTCCCATCTGCCCTCTGAAGTGTCTTAT
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GATGCCAGCATCTACGTGGTGCAGGACGGCTGCTGGAGCTCTGTCTGCCAGGCCCTGAC
GGGAAGGAGTGTGTGGTGAAGGAAGTGGTTCCTGGGGACAGCGTCAACAGCCTTCTCAGC
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GGCTGCCTGCACGTGTACCAGCGCATGATCGACAAGGCGGAGGACGTGTGCTGTTCGTA

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GCGCAGCCCGGGAACTGGTGGGGCAGCTGGCGGTGCTCACTGGCGAACCTCTCATCTTC
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 GAGGAGTCAGATTGTCTGACAGAGTATGAGGAGGACCGCCGACCCGACTGCTCGAGGGAT
 GAAGGGGGTCCCCGAGGGCGCAAGCCCCAGCACTGCCTCCGAGATGGAGGAGGAGAAG
 TCGATTCTCCGGCAACGACGCTGTCTGCCAGGAGCCCGCGGCTCAGCCACAGATGCC

- Restriction Sites:** Please inquire
- ACCN:** NM_001166112
- 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_001166112.1</u> , <u>NP_001159584.1</u>
RefSeq Size:	4526 bp
RefSeq ORF:	3903 bp
Locus ID:	10908
UniProt ID:	<u>Q8IY17</u>
Cytogenetics:	19p13.2
Protein Families:	Transmembrane
Gene Summary:	<p>This gene encodes a phospholipase that deacetylates intracellular phosphatidylcholine to produce glycerophosphocholine. It is thought to function in neurite outgrowth and process elongation during neuronal differentiation. The protein is anchored to the cytoplasmic face of the endoplasmic reticulum in both neurons and non-neuronal cells. Mutations in this gene result in autosomal recessive spastic paraplegia, and the protein is the target for neurodegeneration induced by organophosphorus compounds and chemical warfare agents. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Oct 2009]</p> <p>Transcript Variant: This variant (4) represents use of an alternate promoter and 5' UTR, uses two alternate in-frame splice sites, and lacks an alternate in-frame exon in the central coding region, compared to variant 1. The resulting isoform (c) lacks two internal segments and one internal residue, compared to isoform a.</p>