

Product datasheet for **SC327708**

NTE (PNPLA6) (NM_001166113) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	NTE (PNPLA6) (NM_001166113) 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_001166113, the custom clone sequence may differ by one or more nucleotides

```

ATGGAGGCTCCGCTGCAAACCTGGAATGGTGTCTGGCGTGATGATCGGGGCCGAGTGGCG
GTGGTGGTCACGGCCGTGCTCATCCTCCTGGTGGTGCAGGAGCTGCGAGTGCCAAAAACC
CCAGCCCCGGATGGCCCCGGTATCGGTTCCGGAAGAGGGACAAAGTGCTTCTATGGC
CGGAAGATTATGCGGAAGGTGTCAATCCACCTCCTCCCTCGTGATACCTCTGTCTCC
GCCACCTCCCGCCACGCATGAGGAAGAACTGAAGATGCTCAACATTGCCAAGAAGATC
CTGCGCATCCAGAAAGAGACGCCACGCTGCAGCGGAAGGAGCCCCGCCCGCAGTGCTA
GAAGCTGACCTGACCGAGGGCGACCTGGCTAACTCCCATCTGCCCTCTGAAGTGTCTTAT
ATGCTCAAGAACGTCCGGGTGCTGGGCCACTTCGAGAAGCCACTTCTCCTGGAGCTCTGC
CGCCACATGGTCTTCCAGCGGCTGGGCCAGGGTACTACGTCTTCCGGCCGGGCCAGCCA
GATGCCAGCATCTACGTGGTGCAGGACGGCTGCTGGAGCTCTGTCTGCCAGGGCCTGAC
GGGAAGGAGTGTGTGGTGAAGGAAGTGGTTCCTGGGGACAGCGTCAACAGCCTTCTCAGC
ATCCTGGATGTATCACCGGTACCAGCATCCCCAGCGGACCGTGTCTGCCCGGGCGGCC
CGGGACTCCACGGTGTGCGCCTGCCGGTGAAGCATTCTCCGCGGTCTTACCAAGTAC
CCGGAGAGCTTGGTGGGGTCTGTCAGATCATCATGGTGGGCTGCAGCGAGTCACTTC
CTGGCACTGCACAACCTACCTGGGTCTGACCAATGAGCTTTCAGCCACGAGATCCAGCCC
CTGCGTCTGTTCCCCAGCCCCGGCCTCCCAACTCGCACCAGCCCTGTGCGGGGCTCCAAG
AGAATGGTCAGCACCTCAGCTACAGACGAGCCCAGGGAGACCCCAAGGGCGGCCACCCGAT
CCCACCGGGCCCCGCTGCCTGGACCTACAGGGGACCCTGTGAAGCCACATCCCTGGAA
ACCCCCCTCGGCCCTCTGCTGAGCCGCTGCGTCTCCATGCCAGGGGACATCTCAGGCTTG
CAGGGTGGCCCCGCTCCGACTTCGACATGGCCTATGAGCGTGGCCGGATCTCCGTGTCC
CTGCAGGAAGAGGCTCCGGGGGTCCCTGGCAGCCCCGCTCGGACCCCACTCAGGAG
CCTCGTGAGCAGCCGCGAGGCGCTGTGAATACAGCTACTGTGAGGATGAGTCGGCCACT
GGTGGCTGCCCTTTCGGGCCCTACCAGGGCCGCCAGACCAGCAGCATCTTCGAGGACGCA
AAGCAGGAGCTGGCCAAGCTGATGCGGATTGAGGACCCCTCCCTCCTGAACAGCAGAGTC
TTGCTGCACCACGCCAAAGCTGGCACCATTGCCCCCAGGGAGACCAGGACGTGAGC

```



[View online »](#)

CTGCACTTCGTGCTCTGGGGCTGCCTGCACGTGTACCAGCGCATGATCGACAAGGCGGAG
 GACGTGTGCCTGTTTCGTAGCGCAGCCCGGGAACTGGTGGGGCAGCTGGCGGTGCTCACT
 GCGAACCTCTCATCTTCACACTGCGAGCCCAACGCGACTGCACCTTCCTGCGGATCTCC
 AAGTCCGACTTCTATGAGATCATGCGCGCACAGCCAGTGTGGTGTGAGTGGCGGCAC
 ACGGTGGCAGCCAGGATGTCGCCCTTCGTGCGCCAGATGGACTTCGCCATCGACTGGACT
 GCAGTGGAGGGCGGACGCGCGCTGTACAGGCAGGGCGACCGCTCCGACTGCACCTACATC
 GTGCTCAATGGGCGGCTGCGTAGCGTGATCCAGCGAGGAGTGGCAAGAAGGAGCTGGTG
 GCGGAGTACGGCCGCGGGACCTCATCGGCGTGGTGGAGGCACTGACCCGGCAGCCGCGA
 GCCACGACGGTGCACGCGGTGCGCGACACGGAGCTGGCCAAGTTCCCGAGGGCACCTTG
 GGTACATCAAACGCGGTACCCGACAGTTCGTGACCCGCCTTATCCACCTACTGAGCCAG
 AAAATTCTAGGGAATTTGCAGCAGCTGCAAGGACCCTTCCAGCAGGCTCTGGGTGGGT
 GTGCCCCACACTCGAACTCACCAACCAGCCAGCAACCTGGCAACTGTGGCAATCCTG
 CCTGTGTGTGCTGAGTCCCATGGTGGCCTTACGCTGGAGCTGCAGCACGCCCTGCAG
 GCCATCGGTCCGACGCTACTCCTAACAGTGACATCATCCGGGCACGCCCTGGGGGCTCC
 GCACTGGATAGCATCCAAGAGTTCGGCTGTCAGGGTGGCTGGCCAGCAGGAGGATGCA
 CACCGTATCGTACTCTACCAGACGGACGCTCGCTGACGCCCTGGACCGTGCCTGCCTG
 CGACAGGCCGACTGCATCCTATTGTGGGCTGGGGGACCAGGAGCCTACCTCGGCCAG
 CTGGAGCAGATGCTGGAGAACACGGCTGTGCGGCCCTTAAGCAGCTAGTCTGTCCAC
 CGAGAGGAGGGCGCGGGCCACGCGCACCGTGGAGTGGCTAAATATGCGCAGCTGGTGC
 TCGGGGCACCTGCACCTGCGCTGTCCGCGCCGCTCTTTTCGCGCCGACGCCCTGCCAAG
 CTGCATGAGCTCTACGAGAAGTTTTCTCAGGCGCGGACCCGGCACAGCGACTTCTCC
 CGTTGGCGAGGGTGTCTACGGGAAACACCATTGCCCTTGTGCTAGGCGGGGCGGGGCC
 AGGGGCTGCTCGCACATCGGAGTACTAAAGGCATTAGAGGAGGGCGGGGGTCCCCGTGGAC
 CTGGTGGCGGACGCTCATTGGCTCTTTCATCGGAGCGTTGTACGCGGAGGAGCGCAGC
 GCCAGCCGCACGAAGCAGCGGGCCGGGAGTGGGCAAGAGCATGACTTCGGTGTGGAA
 CCTGTGTTGGACCTCACGTACCCAGTCCATGTTCACTGGGTCTGCCTTTAACCGC
 AGCATCCATCGGGTCTTCCAGGATAAGCAGATTGAGGACCTGTGGCTGCCTTACTTCAAC
 GTGACCACAGATATACCCGCTCAGCCATGCGAGTCCACAAGATGGCTCCCTGTGGCGG
 TACGTGCGCGCCAGCATGACGCTGTCGGGCTACCTGCCCCGCTGTGCGACCCCAAGGAC
 GGGCACCTACTCATGGATGGCGGTACATCAACAATCTGCCAGCGGACATCGCCCGCAGC
 ATGGGTGCCAAAACGGTATCGCCATTGACGTGGGGAGCCAGGATGAGACGGACCTCAGC
 ACCTACGGGGACAGCCTGTCCGGCTGGTGGCTGCTGTGGAAGCGGCTGAATCCCTGGGCT
 GACAAGGTAAAGGTTCCAGACATGGCTGAAATCCAGTCCCGCCTGGCCTACGTGTCTGT
 GTGCGGCAGCTAGAGGTTGTCAAGTCCAGCTCCTACTGCGAGTACCTGCGCCCGCCATC
 GACTGCTTCAAGACCATGGACTTTGGGAAGTTCGACCAGATCTATGATGTGGGCTACCAG
 TACGGGAAGGCGGTGTTTGGAGGCTGGAGCCGTGGCAACGTCATTGAGAAAATGCTCACA
 GACCGGCGGTCTACAGACCTTAATGAGAGCCCGGTGCAGACGTGCTTGCCTTCCCAAGC
 TCTGGCTTCACTGACTTGGCAGAGATTGTGCCGATTGAGCCCCACGAGCTATGTC
 TCTGATGGCTGTGCTGACGGAGAGGAGTCAGATTGTCTGACAGAGTATGAGGAGGACGCC
 GGACCCGACTGCTCGAGGATGAAGGGGGTCCCCGAGGGCGCAAGCCCCAGCACTGCC
 TCCGAGATGGAGGAGGAGAAGTCGATTCTCCGGCAACGACGCTGTCTGCCCCAGGAGCCG
 CCCGGCTCAGCCACAGATGCC

Restriction Sites:

Please inquire

ACCN:

NM_001166113

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:	NM_001166113.1 , NP_001159585.1
RefSeq Size:	4478 bp
RefSeq ORF:	3984 bp
Locus ID:	10908
UniProt ID:	Q8IY17
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 (3) includes an alternate exon in the 5' UTR and uses an alternate in-frame splice site in the 5' coding region, compared to variant 1. The full-extent of the 5' UTR has not been determined. The resulting isoform (b) lacks an internal segment near the N-terminus, compared to isoform a. Both variants 2 and 3 encode the same isoform.</p>