

Product datasheet for **SC115919**

NTE (PNPLA6) (NM_006702) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	NTE (PNPLA6) (NM_006702) Human Untagged Clone
Tag:	Tag Free
Symbol:	NTE
Synonyms:	BNHS; iPLA2delta; LNMS; NTE; NTEMND; OMCS; SPG39; sws
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL6</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_006702, the custom clone sequence may differ by one or more nucleotides

```

ATGGAGGCTCCGCTGCAAACCTGGAATGGTGGCTGGCGTGATGATCGGGGCCGGAGTGGCGGTGGTGGTCA
CGGCCGTGCTCATCCTCCTGGTGGTGCGGAGGCTGCGAGTGCCAAAAACCCAGCCCCGGATGGCCCCCG
GTATCGGTTCCGGAAGAGGGACAAAGTGTCTTCTATGGCCGGAAGATTATGCGGAAGGTGCACAAATCC
ACCTCCTCCCTCGTGGATACCTGTCTCCGCCACCTCCCGGCCACGCATGAGGAAGAACTGAAGATGC
TCAACATTGCCAAGAAGATCCTGCGCATCCAGAAAGAGACGCCACGCTGCAGCGGAAGGAGCCCCCGCC
CGCAGTGCTAGAAGCTGACCTGACCGAGGGCGACCTGGCTAACTCCCATCTGCCCTCTGAAGTGTCTTAT
ATGCTCAAGAACGTCCGGGTGCTGGGCCACTTCGAGAAGCCACTTCTCCGGAGCTCTGCCGCCACATGG
TCTTCCAGCGGCTGGGCCAGGGTACTAGTCTTCCGGCCGGGCCAGCCAGATGCCAGCATCTACGTGGT
GCAGGACGGGCTGCTGGAGCTCTGTCTGCCAGGGCCTGACGGGAAGGAGTGTGTGGTGAAGGAAGTGGTT
CCTGGGGACAGCGTCAACAGCCTTCTCAGCATCCTGGATGTCATCACCGGTCAACAGCATCCCCAGCGGA
CCGTGTCTGCCCGGGCGGCCCGGACTCCACGGTGTGCGCCTGCCGGTGAAGCATTCTCCGCGTCTT
CACCAAGTACCCGGAGAGCTTGGTGCGGTCTGCAGATCATCATGGTGGGCTGCAGCGAGTCACTTC
CTGGCACTGCACAACCTGGGTCTGACCAATGAGCTCTCAGCCACGAGATCCAGCCCCCTGCGTCTGT
TCCCCAGCCCCGGCCTCCAACCTGCACCCAGCCCTGTGCGGGGCTCCAAGAGAATGGTCAACCTCAGC
TACAGACGAGCCAGGGAGACCCAGGGCGGCCACCCGATCCCACCGGGGCCCGCTGCCAGGACTACA
GGGGACCCTGTGAAGCCACATCCCTGGAAACCCCTCGGCCCTCTGCTGAGCCGCTGCGTCTCCATGC
CAGGGGACATCTCAGGCTTGAGGGTGGCCCCCGCTCCGACTTCGACATGGCCTATGAGCGTGGCCGGAT
CTCCGTGTCCCTGCAGGAAGAGGCTCCGGGGGTCCCTGGCAGCCCCGCTCGGACCCCACTCAGGAG
CCTCGTGAGCAGCCGGCAGGCGCTGTGAATACAGCTACTGTGAGGATGAGTCGGCCACTGGTGGCTGCC
CTTTCGGGCCCTACCAGGGCCGCCAGACCAGCAGCATCTCGAGGCAGCAAAGCAGGAGCTGGCCAAGCT
GATGCGGATTGAGGACCCTCCCTCTGAACAGCAGAGTCTTGTGCACCCAGCCAAAGCTGGCACCATC
ATTGCCCGCCAGGGAGACCAGGACGTGAGCCTGCACTTCGTGCTCTGGGGCTGCCTGCACGTGTACCAGC
GCATGATCGACAAGGCGGAGGACGTGTGCTGTCGTAGCGCAGCCGGGAACTGGTGGGCAGCTGGC

```



[View online >](#)

GGTGCTACTGGCGAACCTCTCATCTTACACTGCGAGCCCAACGCGACTGCACCTTCTGCGGATCTCC
 AAGTCCGACTTCTATGAGATCATGCGCGCACAGCCAGTGTGGTCTGAGTGCGGCGCACACGGTGGCAG
 CCAGGATGTGCGCCTTCGTGCGCCAGATGGACTTCGCCATCGACTGGACTGCAGTGGAGGCGGGACGCGC
 GCTGTACAGGCAGGGCGACCGCTCCGACTGCACCTACATCGTGTCAATGGGCGGCTGCGTAGCGTGATC
 CAGCGAGGCAGTGGCAAGAAGGAGCTGGTGGGCGAGTACGGCCGCGGCGACCTCATCGGCGTGGTGGAGG
 CACTGACCCCGGACGCGGAGCCACGACGGTGCACGCGGTGCGGACACGGAGCTGGCCAAGCTTCCCGA
 GGGCCTTGGGTACATCAAACGCCGGTACCCGCAAGTGTGACCCGCCCTTATCCACTACTGAGCCAG
 AAAATTCTAGGGAATTTGCAGCAGCTGCAAGGACCCTTCCAGCAGGCTCTGGGTTGGGTGTGCCCCAC
 ACTCGGAACTCACCAACCCAGCCAGCAACCTGGCAACTGTGGCAATCCTGCCTGTGTGTGCTGAGGTCCC
 CATGGTGGCCTTACGCTGGAGCTGCAGCACGCCCTGCAGGCCATCGGTCCGACGCTACTCCTAACAGT
 GACATCATCCGGGCACGCTGGGGCCTCCGACTGGATAGCATCCAAGAGTTCCGGCTGTGAGGTGGC
 TGGCCAGCAGGAGGATGCACACCGTATCGTACTCTACCAGACGGACGCTCGTGACGCCCTGGACCGT
 GCGCTGCCTGCGACAGGCCGACTGCATCCTCATTGTGGGCTGGGGACCAGGAGCTACCTCGGCCAG
 CTGGAGCAGATGTGGAGAACACGGCTGTGCGGCCCTTAAGCAGCTAGTCTGTCCACCGAGAGGAGG
 GCGCGGGCCCCACGCGCACCGTGGAGTGGCTAAATATGCGCAGCTGGTGTCTGGGGCACCTGCACCTGCG
 CTGTCCGCGCCGCTCTTTTCGCGCCGACGCCCTGCCAAGCTGCATGAGCTCTACGAGAAGGTTTCTCC
 AGGCGCGCGGACCGGCACAGCGACTTCTCCCGCTTGGCGAGGGTGTCTACGGGGAACACCATTGCCCTTG
 TGCTAGGCGGGGCGGGGCCAGGGGCTGCTCGCACATCGGAGTACTAAAGGCATTAGAGGAGGCGGGGT
 CCCCCTGGACCTGGTGGGCGGCAGTCCATTGGCTCTTTCATCGGAGCGTGTACGCGGAGGAGCGCAGC
 GCCAGCCGCACGAAGCAGCGGGCCCGGAGTGGCCAAAGAGCATGACTTCGGTGTGGAACCTGTGTTGG
 ACCTCAGTACCCAGTCACTCCATGTTCACTGGTCTGCCTTAAACCGCAGCATCCATCGGGTCTTCCA
 GGATAAGCAGATTGAGGACCTGTGGTGCCTTACTTCAACGTGACCACAGATATCACCCCTCAGCCATG
 CGAGTCCACAAGATGGCTCCCTGTGGCGGTACGTGCGCCGAGCATGACGCTGTGCGGCTACCTGCCCC
 CGCTGTGCGACCCCAAGGACGGGACCTACTCATGGATGGCGGCTACATCAAAATCTGCCAGCGGACAT
 CGCCCGCAGCATGGGTGCCAAAACGGTCACTCGCCATTGACGTGGGGAGCCAGGATGAGACGGACCTCAGC
 ACCTACGGGGACAGCCTGTCCGGCTGGTGGCTGCTGTGGAAGCGGCTGAATCCCTGGGCTGACAAGGTAA
 AGGTTCCAGACATGGCTGAAATCCAGTCCCGCCTGGCCTACGTGTCTGTGTGCGGCAGCTAGAGGTTGT
 CAAGTCCAGTCTACTGCGAGTACCTGCGCCCGCCATCGACTGCTTCAAGACCATGGACTTTGGGAAG
 TTCGACCAGATCTATGATGTGGCTACCAGTACGGGAAGCGGTGTTGGAGGCTGGAGCCGTGGCAACG
 TCATTGAGAAAAATGCTCACAGACCGCGGTCTACAGACCTAATGAGAGCCCGCTGCAGACGTGCTTGC
 CTTCCCAAGCTCTGGCTTCACTGACTTGGCAGAGATTGTGTCCCGATTGAGCCCCCACGAGCTATGTC
 TCTGATGGCTGTGCTGACGGAGAGGAGTCAAGTTGTCTGACAGAGTATGAGGAGGACGCCGACCCGACT
 GCTCGAGGGATGAAGGGGGTCCCCGAGGGCGCAAGCCCCAGCACTGCCTCCGAGATGGAGGAGGAGAA
 GTCGATTTCCGGCAACGACGCTGTCTGCCCCAGGAGCCGCCGGCTCAGCCACAGATGCCTGA

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_006702 unedited
 TATATCCCGCCCGTTGNCGCATTGGGCGGTAGGCGTGTACGGTGGGAGGTCTATATAAG
 CAGAGCTCATTTAGGTGACACTATAGAATACAAGCTACTTGTCTTTTTGCAGCGCCCGC
 GAATTCGGCAGCAGGAATCAACCGATGGAGGCTCCGCTGCAAACCTGGAATGGTGTGTTGGC
 GTGATGATCGGGGCCGAGTGGCGGTGGTGGTACGGCCGTGCTCATCCTCCTGGTGGT
 CGGAGGCTGCGAGTGCCAAAAACCCAGCCCGGATGGCCCCGGTATCGGTTCCGGAAG
 AGGGACAAAGTGTCTTCTATGGCCGGAAGATTATGCGGAAGGTGCACAATCCACCTCC
 TCCCTCGTGGATACTCTGTCTCCGCCACCTCCCGGCCACGCATGAGGAAGAAATGAAG
 ATGCTCAACATTGCCAAGAAGATCCTGCGCATCCAGAAAGAGACGCCACGCTGCAGCGG
 AAGGAGCCCCCGCCGAGTGTGTAAGCTGACCTGACCGAGGGGCGACCTGGCTAACTCC
 CATCTGCCCTCTGAAGTGTATATGCTCAAGAACGTCCGGGTGCTGGGCCACTTCGAG
 AAGCCACTCTTCTGGAGCTCTGCCGCCACATGGTCTTCCAGCGGCTGGGCCAGGGTGC
 TACGTCTTCCGGCCGGCCAGCCAGATGCCAGCATCTACGTGGTGCAGGACGGGCTGCTG
 GAGCTCTGTCTGCCAGGGCCTGACGGGAAGGAGTGTGTGGTGAAGGAAATGGTCTGGN
 GACAGCGTCAACAGCCTTCTCAGCATNCTGGATGTCATACCCGGTACCAGCATCCCCAC
 NGACCGTGTCTGCCCGGNCGGCCGGACTNNACGTGCTGCGCCTGCCGNTGAAGCATCT
 TNCGGGTCTTACCAGT

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_006702 unedited
 CAGGCCATTGGNGATGGCAACTTCCAGGNCCAGGNANGAGCACTGGGGNAGGGGTCACAG
 GGNATGCCACCCGGGATCTGTTCAGGAAAAGCTATGACCGCGGCCCAATCTAGAGTCGA
 GTTTTTTTTTTTTTTTTTTCCAAGAGGCGAGTTTATTGGGGAGGGGCTGGTCCAAGTCA
 TCAGTGCAACACTGCATCCCCGCTCAGGGCAGGTCAAGTCAAGTGTGTGGGCCGCGGGGT
 CACAGGCATAGCAGCAGGAGGGGAGTGAGCTTACCCCCACGGGGCCACCCCAGCCCAG
 TCCAGGGGTGGGAGGGAGGGGTGACCCCTGTCNAGGTCCTCANGCNTCTGNGGCTGNGC
 CGGGCGGCTCCTGGGCGNACNGCGTCGTTGCCGGGATTCGNCCTTCTCCTCCTCCTCT
 CGGGGGCCGTGCTGGGGCTTGCGCCCTCGGGGGCCCCCTTCTCCCTCGGGCNGTCGG
 TTCCGGCGTCTCGTCTCCTCTGTGGTCCGTGCTGGTGTCTCCTCCGTCGCGCGCCCT
 GTTGGCCTTCTTGTGCGGGGCTGCCTTCCGTGTCCTGCTGCTGCTGGTCCGGGGCC
 CGGGCTTGCGGCCGGCTGGGCGGCGCGCGGGGGCGGCTTCGGGTCCGCCCTCCGC
 CGGCGGGCCCCCGTCTTCTTGTGCGGNTNCGGCTTTCGCGCTCCCTGCTCCCTCTTT
 TTTTGGTGTGCGCCCGCCTTNTTCCCCTTGCCTGTTCCCGCTTTCGCTTTGTGTGCG
 CCCCAGGTTTCCGCGCCCGCTCCTGCCCGCCCGTTCGCCCGTCCCTTGTCTTTTTCG
 GGGCCCGTGTGCTGTCCTTGTGGGCGGGCGGGTTTTTCGGTCCGCGCTCTCGCCGC
 GCTGCCGTTGTTGTA

Restriction Sites:

ECoRI-NOT

ACCN:

NM_006702

Insert Size:

4500 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).

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_006702.2](#), [NP_006693.2](#)

RefSeq Size: 4490 bp

RefSeq ORF: 3984 bp

Locus ID: 10908

UniProt ID: [Q8IY17](#)

Cytogenetics: 19p13.2

Domains: cNMP, Patatin

Protein Families: Transmembrane

Gene Summary: 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]

Transcript Variant: This variant (2) represents use of an alternate promoter and 5' UTR and uses an alternate in-frame splice site in the 5' coding region, compared to variant 1. 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.