

Product datasheet for **SC323842**

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:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM_006702.3
GCGGAACGCTAGCGGTGTTGGCGGGAGTGGACCCCGGCTGCGGCCCTGGCAATGGCGC
CACCATCGGTCCCGGAGTCCCAGTGATGCTCTGTGCCATAGAGCCCCATAACTTACTA
CTACGTGATAGTAAATCCCCGGCAAAAACCAGCAGCGCCTTGCAAGCCACGCCACCCCA
AGCATCCCAGGACTCTTCTGAAACGACTCCGGGCTACCAGATCGGCCGTCCAGCTGGAAT
CAACCGATGGAGGCTCCGCTGCAAACCTGGAATGGTGTGCTGGCGTGATGATCGGGGCCGA
GTGGCGGTGGTGGTCACGGCCGTGCTCATCCTCCTGGTGGTGGGAGGCTGCGAGTGCCA
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TATGGCCGAAGATTATGCGGAAGGTGTCACAATCCACCTCCTCCTCGTGGATACCTCT
GTCTCCGCCACCTCCCGCCACGCATGAGGAAGAACTGAAGATGCTCAACATTGCCAAG
AAGATCCTGCGCATCCAGAAAGAGACGCCACGCTGCAGCGGAAGGAGCCCCCGCCGCA
GTGCTAGAAGCTGACCTGACCGAGGGCGACCTGGCTAACTCCCATCTGCCCTCTGAAGTG
CTTTATATGCTCAAGAAGCTCCGGGTGCTGGGCCACTTCGAGAAGCCACTCTTCCTGGAG
CTCTGCCGCCACATGGTCTTCCAGCGGCTGGGCCAGGGTGACTACGTCTTCCGGCCGGGC
CAGCCAGATGCCAGCATCTACGTGGTGCAGGACGGGTGCTGGAGCTCTGTCTGCCAGGG
CCTGACGGGAAGGAGTGTGTGGTGAAGGAAGTGGTTCCTGGGGACAGCGTCAACAGCCTT
CTCAGCATCCTGGATGTCATCACCGTCCAGCATCCCCAGCGGACCGTGTCTGCCCGG
GCGGCCCGGGACTCCACGGTGTGCGCCTGCCGGTGAAGCATTCTCCGGGTCTTACC
AAGTACCCGGAGAGCTTGGTGGGTCGTGCAGATCATCATGGTGGGCTGCAGCGAGTC
ACCTTCTGGCACTGCACAACCTACCTGGGTCTGACCAATGAGCTCTTACGCCACGAGATC
CAGCCCCGTGCGTCTGTTCCCCAGCCCCGGCCTCCAACTCGCACAGCCCTGTGCGGGGC
TCCAAGAGAATGGTCAGCACCTCAGCTACAGACGAGCCAGGGAGACCCAGGGCGGCCA
CCCCATCCACCGGGGCCCGCTGCCTGGACCTACAGGGGACCTGTGAAGCCACATCC
CTGAAACCCCTCGCCCCCTCTGCTGAGCCGCTGCGTCTCCATGCCAGGGGACATCTCA
GGCTTGCAGGGTGGCCCCGCTCCGACTTCGACATGGCCTATGAGCGTGGCCGGATCTCC
GTGTCCCTGCAAGAAGAGGCCTCCGGGGGTCCCTGGCAGCCCCGCTCGGACCCCACT
CAGGAGCCTCGTGAAGAGCCGGCAGGCGCCTGTGAATACAGCTACTGTGAGGATGAGTCG



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GCCACTGGTGGCTGCCCTTTCGGGCCCTACCAGGGCCGCCAGACCAGCAGCATCTTCGAG
 GCAGCAAAGCAGGAGCTGGCCAAGCTGATGCGGATTGAGGACCCCTCCCTCCTGAACAGC
 AGAGTCTTGCTGCACCACGCCAAAGCTGGCACCATCATTGCCCGCCAGGGAGACCAGGAC
 GTGAGCCTGCACTTCGTGCTCTGGGGCTGCCTGCACGTGTACCAGCGCATGATCGACAAG
 GCGGAGGACGTGTGCCTGTTTCGTAGCGCAGCCCGGGAACTGGTGGGGCAGCTGGCGGTG
 CTCACTGGCGAACCTCTCATCTTACACTGCGAGCCCAACGCGACTGCACCTTCTGCGG
 ATCTCCAAGTCCGACTTCTATGAGATCATGCGCGCACAGCCAGTGTGGTGTGAGTGCG
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 TGGACTGCACTGGAGGCGGGACGCGCTGTACAGGCAGGGCGACCCTCCGACTGCACT
 TACATCGTCTCAATGGGCGGCTGCGTAGCGTGATCCAGCGAGGCAGTGGCAAGAAGGAG
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 TTCTCCCGCTTGCGAGGGTGTACGGGGAACACCATTGCCCTTGTGCTAGGCGGGGGC
 GGGGCCAGGGGCTGCTCGCACATCGGAGTACTAAAGCATTAGAGGAGGCGGGGTCCCC
 GTGGACCTGGTGGGCGGCACGTCCATTGGCTCTTTCATCGGAGCGTTGTACGCGGAGGAG
 CGCAGCGCCAGCCGACGAGGCAGCGGGCCGGGAGTGGGCAAGAGCATGACTTCGGTG
 CTGGAACCTGTGTGGACCTCACGTACCCAGTACCTCCATGTTCACTGGGTCTGCCTTT
 AACCGCAGCATCCATCGGTCTTCCAGGATAAGCAGATTGAGGACCTGTGGCTGCCTTAC
 TTCAACGTGACCACAGATATCACCGCTCAGCCATGCGAGTCCACAAAGATGGCTCCCTG
 TGGCGGTACGTGCGCGCCAGCATGACGCTGTCCGGCTACCTGCCCCCGCTGTGCGACCCC
 AAGGACGGGCACCTACTCATGGATGGCGGCTACATCAACAATCTGCCAGCGGACATCGCC
 CGCAGCATGGGTGCCAAAACGGTCATCGCCATTGACGTGGGGAGCCAGGATGAGACGGAC
 CTCAGCACCTACGGGGACAGCCTGTCCGGCTGGTGGCTGTGGAAGCGGCTGAATCCC
 TGGGCTGACAAGGTAAGGTTCCAGACATGGCTGAAATCCAGTCCCGCTGGCCTACGTG
 TCCTGTGTGCGGCAGCTAGAGGTTGTCAAGTCCAGCTCTACTGCGAGTACCTGCGCCCG
 CCCATCGACTGCTTCAAGACCATGGACTTTGGGAAGTTCGACCAGATCTATGATGTGGG
 TACCAGTACGGGAAGGCGGTGTTTGGAGGCTGGAGCCGTGGCAACGTATTGAGAAAAATG
 CTCACAGACCGGCGGTCTACAGACCTTAATGAGAGCCCGCTGCAGACGTGCTTGCCTTC
 CCAAGCTCTGGTTCCTGACTTGGCAGAGATTGTGCCGATTGAGCCCCCACGAGC
 TATGTCTCTGATGGCTGTGCTGACGAGAGGAGTCAAGTGTCTGACAGAGTATGAGGAG
 GACGCCGACCCGACTGCTCGAGGGATGAAGGGGGTCCCCGAGGGCGCAAGCCCCAGC
 ACTGCCTCCGAGATGGAGGAGGAGAAGTCGATTCTCCGGCAACGACGCTGTCTGCCCCAG
 GAGCCGCCCGGCTCAGCCACAGATGCCTGAGGACCTGACAGGGGTACCCCCCTCCCTCC
 CACCCCTGGACTGGGCTGGGGTGGCCCCGTGGGGTAGCTCACTCCCCCTCTGCTGCT
 ATGCCTGTGACCCCCGCGGCCACACACTGGACTGACCTGCCCTGAGCGGGATGCAGTG
 TTGCACTGATGACTTGACCAGCCCTCCCCAATAAACTCGCCTTGGAAAAAAAAAAAA
 AAAAAAAAAAAAAAAAAAAAAAAAAAAAAA

Restriction Sites:

ECoRI-NOT

ACCN:

NM_006702

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_006702.3 , NP_006693.3
RefSeq Size:	4466 bp
RefSeq ORF:	3984 bp
Locus ID:	10908
UniProt ID:	Q8IY17
Cytogenetics:	19p13.2
Domains:	cNMP, Patatin
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 (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.</p>