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Product datasheet for RC229073

NTE (PNPLA6) (NM_001166113) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	NTE (PNPLA6) (NM_001166113) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	PNPLA6
Synonyms:	BNHS; iPLA2delta; LNMS; NTE; NTEMND; OMCS; SPG39; sws
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RC229073 representing NM_001166113 Red=Cloning site Blue=ORF Green=Tags(s) TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCCGCGATCGCC ATGGAGGCTCCGCTGCAAACTGGAATGGTGCTTGGCGTGATGATCGGGGCCGGAGTGGCGGTGGTGGTCA CGGCCGTGCTCATCCTCCTGGTGGTGCGGAGGCTGCGAGTGCCAAAAACCCCAGCCCCGGATGGCCCCCG GTATCGGTTCCGGAAGAGGGACAAAGTGCTCTTCTATGGCCGGAAGATTATGCGGAAGGTGTCACAATCC ACCTCCTCCCTCGTGGATACCTCTGTCTCCGCCACCTCCCGGCCACGCATGAGGAAGAAACTGAAGATGC TCAACATTGCCAAGAAGATCCTGCGCATCCAGAAAGAGACGCCCACGCTGCAGCGGAAGGAGCCCCCGCC CGCAGTGCTAGAAGCTGACCTGACCGAGGGCGACCTGGCTAACTCCCATCTGCCCTCTGAAGTGCTTTAT ATGCTCAAGAACGTCCGGGTGCTGGGCCACTTCGAGAAGCCACTCTTCCTGGAGCTCTGCCGCCACATGG TCTTCCAGCGGCTGGGCCAGGGTGACTACGTCTTCCGGCCGGGCCAGCCAGATGCCAGCATCTACGTGGT GCAGGACGGGCTGCTGGAGCTCTGTCTGCCAGGGCCTGACGGGAAGGAGTGTGTGGTGAAGGAAGTGGTT CCTGGGGACAGCGTCAACAGCCTTCTCAGCATCCTGGATGTCATCACCGGTCACCAGCATCCCCAGCGGA CCGTGTCTGCCCGGGCGGCCCGGGACTCCACGGTGCTGCGCCTGCCGGTGGAAGCATTCTCCGCGGTCTT CACCAAGTACCCGGAGAGCTTGGTGCGGGTCGTGCAGATCATCATGGTGCGGCTGCAGCGAGTCACCTTC CTGGCACTGCACAACTACCTGGGTCTGACCAATGAGCTCTTCAGCCACGAGATCCAGCCCCTGCGTCTGT TCCCCAGCCCCGGCCTCCCAACTCGCACCAGCCCTGTGCGGGGCTCCAAGAGAATGGTCAGCACCTCAGC TACAGACGAGCCCAGGGAGACCCCAGGGCGGCCACCCGATCCCACCGGGGCCCCGCTGCCTGGACCTACA GGGGACCCTGTGAAGCCCACATCCCTGGAAACCCCCTCGCCCCCTCTGCTGAGCCGCTGCGTCTCCATGC CAGGGGACATCTCAGGCTTGCAGGGTGGCCCCCGCTCCGACTTCGACATGGCCTATGAGCGTGGCCGGAT CTCCGTGTCCCTGCAAGAAGAGGCCTCCGGGGGGTCCCTGGCAGCCCCCGCTCGGACCCCCACTCAGGAG CCTCGTGAGCAGCCGGCAGGCGCCTGTGAATACAGCTACTGTGAGGATGAGTCGGCCACTGGTGGCTGCC CTTTCGGGCCCTACCAGGGCCGCCAGACCAGCAGCATCTTCGAGGCAGCAAAGCAGGAGCTGGCCAAGCT GATGCGGATTGAGGACCCCTCCCTCCTGAACAGCAGAGTCTTGCTGCACCACGCCAAAGCTGGCACCATC ATTGCCCGCCAGGGAGACCAGGACGTGAGCCTGCACTTCGTGCTCTGGGGCTGCCTGCACGTGTACCAGC

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Protein Sequence:

>RC229073 representing NM_001166113
Red=Cloning site Green=Tags(s)

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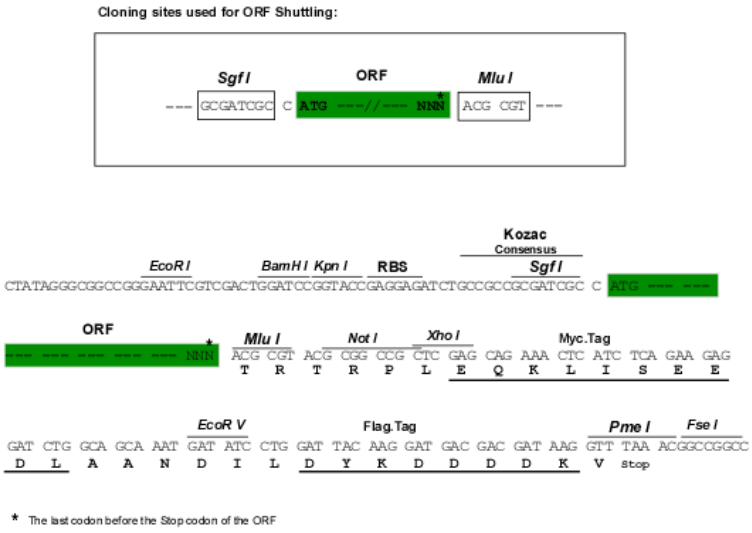
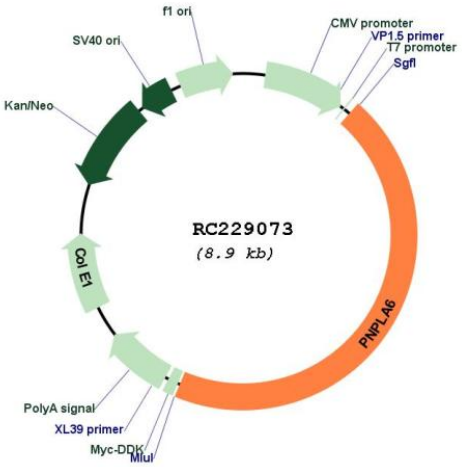
Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN:	NM_001166113
ORF Size:	3981 bp
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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_001166113.1, NP_001159585.1
RefSeq ORF:	3984 bp
Locus ID:	10908
UniProt ID:	Q8IY17
Cytogenetics:	19p13.2
Protein Families:	Transmembrane

MW:	146 kDa
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]