

Recombinant Human PNPLA6, His-tagged

Cat. No. PNPLA6-29926TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant fragment, corresponding to amino acids 1132-1366 of Human NTE with an N terminal His tag; Predicted MWt 27 kDa.
Species	Human
Source	E.coli
ProteinLength	1132-1366 a.a.
Description	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.
Conjugation	HIS
Tissue specificity	Expressed in brain, placenta, kidney, neuron and skeletal muscle.
Form	Lyophilised:Reconstitute with 108 µl aqua dest.
Storage buffer	Preservative: NoneConstituents: 0.5% Trehalose, 6M Urea, 100mM Sodium

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	phosphate, 10mM Sodium chloride, pH 4.5
Storage	Shipped at 4°C. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
Sequences of amino acids	LPADIARSMGAKTVIAIDVGSQDETDLSTYGDSLSGWWLL WKRLNPWADKVKVPD MAEIQSRLAYVSCVRQLEVVKSS SYCEYLRPIDCFKTMDFGKFDQIYDVGYYQYQYK AVFGG WSRGNVIEKMLTDRRSTDLNESRRADVLAFPSSGFTDL AEIVSRIEPPTS VSDGCADGEESDCLTEYEEDAGPDCSR DEGGSPEGASPSTASEMEEEEKSILRQRR CLPQEPPGSA TDA
Sequence Similarities	Belongs to the NTE family.Contains 3 cyclic nucleotide-binding domains.Contains 1 patatin domain.

GENE INFORMATION

Gene Name	PNPLA6 patatin-like phospholipase domain containing 6 [Homo sapiens]
Official Symbol	PNPLA6
Synonyms	PNPLA6; patatin-like phospholipase domain containing 6; neuropathy target esterase; NTE; sws;
Gene ID	10908
mRNA Refseq	NM_001166114
Protein Refseq	NP_001159586
MIM	603197
Uniprot ID	Q8IY17

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Chromosome Location	19p13.2
Pathway	Glycerophospholipid metabolism, organism-specific biosystem; Glycerophospholipid metabolism, conserved biosystem;
Function	hydrolase activity; lysophospholipase activity;

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