

Recombinant Full Length Human PNPLA6 Protein, C-Flag-tagged

Cat. No. PNPLA6-920HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human PNPLA6 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
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.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	150.8 kDa
AA Sequence	MEAPLQTGMMGTSSHGLATNSSGAKVAERDGFQDVLAPGEGSAGRICGAQPVFV PQVLGVMIGAGVAVV VTAVLILLVRRRLRVPKTPAPDGPYRFRKRDKVLFYGRKIM RKVSQSTSSLVDTSVSATSRRPRMRKKLK MLNIAKKILRIQKETPTLQRKEPPPAVLEA DLTEGDLANSHLPSEVLYMLKNVRVLGHFEKPLFLELCRH MVFQRLGQGQDYVFRP

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GQPDASIYVVQDGLLELCLPGPDGKECVVKEVVPGDSVNSLLSILDVITGHQHPQ RT
 VSARAARDSTVLRLPVEAFSAVFTKYPESLVRVVQIIMVRLQRVTFALHNYLGLTNE
 LFSHEIQPLR LFPSPGLPTRTSPVRGSKRMVSTSATDEPRETPGRPPDPTGAPLPG
 PTGDPVKPTSLETSPAPLLSRCVS MPGDISGLQGGPRSDFDMAYERGRISVSLQEE
 ASGGSLAAPARTPTQEPREQPAGACEYSYCEDESATGG CPGGPYQGRQTSSIFEA
 AKQELAKLMRIEDPSLLNSRVLLHHAKAGTIIARQGDQDVS LHFVLWGCLHVVY QRMI
 DKAEDVCLFVAQPGELVGQLAVLTGEPLIFTLRAQRDCTFLRISKSDFYEIMRAQPSV
 VLSAAHTV AARMSPFVRQMDFAIDWTAVEAGRALYRQGDRSDCTYIVLNGRLRSVI
 QRGSGKKELVGEYGRGDLIGVV EALTRQPRATTVHAVRDTELAKLPEGTLGHIKRR
 YPQVVTRLIHLLSQKILGNLQQLQGPFPAAGSLGVP PHSELTNPASNLATVAILPVCA
 EVPMVAFTLELQHALQAIGPTLLLNSDIIRARLGASALDSIQEFRLSG WLAQQEDAHR
 IVLYQTDASLTPTWTVRCLRQADCILIVGLGDQEPTLGQLEQMLENTAVRALKQLVLLH
 RE EGAGPTRTVEWLNMRSWCSGHLHLRCPRRLFSRRSPAKLHELKYEKVFSSRAD
 RHSDFSRLARVLTGNTIA LVLGGGGARGCSHIGVLKALEEAGVPVDLVGGTSIGSFI
 GALYAEERSASRTKQRAREWAKSMTSVLEPV LDLYTPVTSMFTGSAFNRSIHRVFQ
 DKQIEDLWLPYFNVTTDITASAMRVHKDGS LWRYVRASMTLSGYL PPLCDPKDGHL
 LMDGGYINNLPADIARSMGAKTVIAIDVGSQDETDLSTYGDSLGSWWLLWKRLNPW
 ADK VKVPDMAEIQSRLAYVSCVRQLEVVKSSSYCEYL RPPIDCFKTMDFGKFDQIYD
 VGYQYGKAVFGGWSRG NVIEKMLTDRRSTDLNESRRADVLAFPSSGFTDLAEIVSR
 IEPPTSIVSDGCADGEESDCLTEYEEDAGP
 DCSRDEGGSPGASPTASEMEEKSILRQRRCLPQEPPGSATDATRTRPLEQKLI
 SEEDLAANDILDYKDDDDKV

Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.

Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Protein Families	Transmembrane
Full Length	Full L.

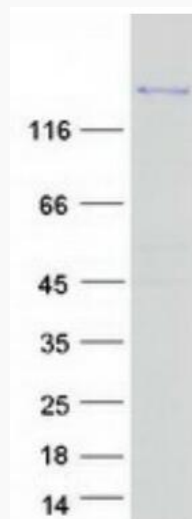
GENE INFORMATION

Gene Name	PNPLA6 patatin like phospholipase domain containing 6 [Homo sapiens (human)]
Official Symbol	PNPLA6
Synonyms	NTE; sws; BNHS; LNMS; OMCS; SPG39; NTEMND; iPLA2delta
Gene ID	10908
mRNA Refseq	NM_001166111.2
Protein Refseq	NP_001159583.1
MIM	603197
UniProt ID	Q8IY17

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Coomassie blue staining of purified PNPLA6 protein.

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