

Product Information

MemDX™ Membrane Protein Human PNPLA6 (Patatin like phospholipase domain containing 6) for Antibody Discovery

Cat. No.: **MP0311J**

This product is for research use only and is not intended for diagnostic use.

This product is a 150.8 kDa Human PNPLA6 membrane protein expressed in HEK293T. The protein is for research use only and is not approved for use in humans or in clinical diagnosis.

Product Specifications

Host Species

Human

Target Protein

PNPLA6

Protein Length

Full-length

Protein Class

Transmembrane

Molecular Weight

150.8 kDa

TMD

1

Sequence

MEAPLQTGMMGTSSHGLATNSSGAKVAERDGFQDVLAPGEGSAGRICGAQPVFPVQVLGVMIGAGVAVV
VTAVLILLVRRRLRVPKTPAPDGPYRFRKRDKVLFYGRKIMRKVSQSTSSLVDTSVSATSRRMRKKLK
MLNIAKKILRIQKETPTLQRKEPPPAVLEADLTEGDLANSHLPSEVLYMLKNVRVLGHFEKPLFLELCRH
MVFQRLGQGDYVFRPGQPDASIYVVQDGLLELCPLPGPDGKECVVKEVVPGDVSVNSLLSILDVITGHQHPQ
RTVSARAARDSTVLRPVEAFSAVFTKYPESLVRVVQIIMVRLQRVTFALHNYLGLTNELFSHEIQPLR
LFPSPGLPTRTSPVRGSKRMVSTSATDEPRETPGRPPDPTGAPLPGPTGDPVKPTSLETSPAPLLSRCVS
MPGDISGLQGGPRSDFDMAYERGRISVSLQEEASGGSLAAPARTPTQEPREQPAGACEYSYCEDESATGG
CPFGPYQGRQTSSIFEAAKQELAKLMRIEDPSLLNSRVLLHHAKAGTIIARQGDQDVSLHFVLWGCLHVV
QRMIDKAEDVCLFVAQPGELVGQLAVLTGEPLIFTLRAQRDCTFLRISKSDFYEIMRAQPSVVLAAHTV
AARMSPFVRQMDFAIDWTAVEAGRALYRQGDSDCTYIVLNGRLRSVIQRGSGKKELVGEYGRGDLIGVV
EALTRQPRATTVHAVRDTELAKLPEGTLGHIKRRYPQVVTRLIHLLSQKILGNLQQLQGPFPAAGSGLGVP
PHSELTNPASNLATVAILPVCAEVPMAFTLELQHALQAIGPTLLLNSDIIRARLGASALDSIQEFRLSG
WLAQQEDAHRIVLYQTDASLTPWTVRCLRQADCILIVGLGDQEPTLGQLEQMLENTAVRALKQLVLLHRE
EGAGPTRTVEWLNMRSWCSGHLHLRCPRLFSRRSPAKLHELVEKVFSSRRADRHSDFSRLARVLTGNTIA
LVLGGGGARGCSHIGVLKALEEAGVPVDLVGGTSIGSFIGALYAEERSASRTKQRAREWAKSMTSVLEPV
LDLTYPVTSMTGSAFNRSIHRVFQDKQIEDLWLPYFNVTTDITASAMRVHKGDSLWRYVRASMTLSGYL
PPLCDPKDGHLLMDGGYINNLPADIARSMGAKTVIAIDVGSQDETDLSTYGDSLGGWLLWKRLNPWADK
VKVPDMAEIQSRLAYVSCVRQLEVVKSSSYCEYLRPPIDCFKTMDFGKFDQIYDVGYQYQYKAVFGGWSRG
NVIEKMLTDRRSTDLNESRRADVLAFPSSGFTDLAEIVSRIEPPTSYVSDGCADGEESDCLTEYEEDAGP

DCSRDEGGSPGASPTASEMEEEEKSILRQRRCLPQEPPGSATDA

Product Description

Expression Systems

HEK293T

Tag

C-Myc/DDK

Form

Liquid

Purification

Anti-DDK affinity column followed by conventional chromatography steps

Purity

> 80% as determined by SDS-PAGE and Coomassie blue staining

Buffer

25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol

Storage

Store at +4°C for up to one week or several months at -80°C

Target

Target Protein

PNPLA6

Full Name

Patatin like phospholipase domain containing 6

Introduction

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.

Alternative Names

BNHS; iPLA2delta; LNMS; NTE; NTEMND; OMCS; SPG39; sws

Gene ID

[10908](#)

UniProt ID

[Q8IY17](#)