

Product Information

MemDX™ Membrane Protein Human PNPLA6 (Patatin like phospholipase domain containing

6) Full Length

Cat. No.: **MPC4018K**

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

This product is a made-to-order Human PNPLA6 membrane protein expressed in HEK293. 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

Receptor

TMD

1

Sequence

MEAPLQTGMMGTSSHGLATNSSGAKVAERDGFQDVLAPGEGSAGRICGAQ
PVPFVPQVLGVMIGAGVAVVVTAVLILLVVRRLRVPKTPAPDGPYRFRK
RDKVLFFYGRKIMRKVSQSTSSLVDTSVSATSRPRMRKKLKMNIKKILR
IQKETPTLQRKEPPPAVLEADLTEGDLANSHLPSEVLYMLKNVRVLGHFE
KPLFLELCRHMVFQRLGQGDYVFRPGQPDASIYVVDGLLELCLPGPDGK
ECVVKEVVPGDSVNSLLSILDVITGHQHPQRTVSARAARDSTVLRLPVEA
FSAVFTKYPESLVRVVQIIMVRLQRVTFLLALHNYLGLTNELFSHEIQPLR
LFPSPGLPTRTSPVRGSKRMVSTSATDEPRETPGRPPDPTGAPLPGPTGD
PVKPTSLETSPAPLLSRCVSMPGDISGLQGGPRSDFDMAYERGRISVSLQ
EEASGGSAAAPARTPTQEPREQPAGACEYSYCEDESATGGCPFGPYQGRQ
TSSIFEAAKQELAKLMRIEDPSLLNSRVLLHHAKAGTIIARQGDQDVS LH
FVLWGCLHVVYQRMIDKAEDVCLFVAQPGELVGQLAVLTGEPLIFTLRAQR
DCTFLRISKSDFYEMRAQPSVLSAAHTVAARMSPFVRQMDFAIDWTAV
EAGRALYRQGDSDCTYIVLNGRLRSVIQRGSGKKELVGEYGRGDLIGVV
EALTRQPRATTVHAVRDELAKLPEGTGLGHIKRRYPQVVTRLIHLLSQKI
LGNLQQQLQGPFPAAGSLGVPPHSELNTPASNLATVAILPVCAEVPMAFT
LELQHALQAIGPTLLLNSDIIRARLGASALDSIQEFRLSGWLAQQEDAHR
IVLYQTDASLTPWTVRCLRQADCILIVGLGDQEPTLGQLEQMLENTAVRA
LKQLVLLHREEGAGPTRTVEWLNMRWSCSGHLHLRCPRRLSRRSPAKLH
ELYEKVFSRRADRHSDFSRLARVLTGNTIALVLGGGGARGCSHIGVLKAL
EEAGVPVDLVGGTSIGSFIGALYAEERSASRTKQARAREWAKSMTSVLEPV
LDLTPVTSMTGSAFNRSIHRVFQDKQIEDLWLPYFNVTDDITASAMRV

HKDGSLWRYVRASMTLSGYLPPLCDPKDGHLLMDGGYINNLPADIARSMG
AKTVIAIDVGSQDETDLSTYGDSLGGWLLWKRLNPWADKVKVPDMAEIQ
SRLAYVSCVRQLEVVKSSSYCEYLRPPIDCFKTMDFGKFDQIYDVGYYQYG
KAVFGGWSRGNVIEKMLTDRRSTDLNESRRADVLAFFSSGFTDLAEIVSR
IEPPTSIVSDGCADGEESDCLTEYEEDAGPDCSRDEGGSPGASPTASE
MEEKSLRQRRCLPQEPPGSATDA

Product Description

Expression Systems

HEK293

Tag

Based on specific requirements

Protein Format

Detergent or based on specific requirements (Detergent, Liposome, Nanodisc, Polymer, VLP)

Form

Liquid

Storage

Aliquot and store at -20°C or lower. For long term storage, we recommend to store at -72°C or lower. Avoid freeze/thaw cycles.

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

PNPLA6; NTE; sws; BNHS; LNMS; OMCS; SPG39; NTEMND; iPLA2delta; patatin-like phospholipase domain-containing protein 6; neuropathy target esterase; Patatin like phospholipase domain containing 6

Gene ID

[10908](#)

UniProt ID

[Q8IY17](#)