

Datasheet for ABIN7561920

Patatin-Like Phospholipase Domain Containing 7 (PNPLA7) (AA 1-1352) protein (His tag)



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Overview

Quantity: 1 mg

Target: Patatin-Like Phospholipase Domain Containing 7 (PNPLA7)

Protein Characteristics: AA 1-1352

Origin: Mouse

Source: HEK-293 Cells

Protein Type: Recombinant

Purification tag / Conjugate: His tag

Product Details

Purpose: Custom-made recombinant Pnpla7 Protein expressed in mammalian cells.

Sequence: MQNEEDACLE AGYCLGTTLS SWRLHFMEEQ SQSTMLMGIG IGALLTLAFV GITFFFVYRR
VRRLLRAEPT PQYRFRKRDK VMFYGRKIMR KVTTLPHTLV GNTSAPRQRV RKRTKVLSLA
KRILRFKKEY PTLQPKEPPP SLLEADLTEF DVKNSHLPSE VLYMLKNVRV LGHFKEPLFL
ELCKHMFVQ LQEGEHVFQP GEPDISIYVV QDGRLEVCIQ DADGTEVVVK EVLPGDSVHS
LLSILDVITG HTAPYKTVSA RAAVSSTVLW LPAAAFQGVF EKYPETLVRV VQIIMVRLQR
VTFLALHNYL GLTTELFNPE SQAIPLLSVA SVAGRAKRQM SYGPEEQLER SLRPSEFSSS
DHGSSCVTVS GPLLKRSCSV PLPSNHGEVD ELRQSQSGS NTSAFQESHE GATSDLGMAY
NRARILPHSD EQLGNSLASK SKKSVVAETP SAIFHYSENF RDETGACGKT DAIFRAATKD
LLTLMKLLDDP SLLDGRVAFL HVPAGTLVSK QGDQDVNILF VVSGMLHVVY QKIDSLEDTC
LFLTHPGEMV GQLAVLTGEP LMFTIRANRD CSFLSISKAH FYEIMRKRPD VVLGVAHTVV
KRMSSFVRQI DFALDWMEVE AGRAIYRQGD KSDCTYIVLS GRLRSVIRKD DGKKRLAGEY
GRGDLVGVVE TLTHQARATT VHAVRDSELA KLPAGALTSI KRRYPQVVTR LIHLLGEKIL

GSLQQGSATG HQLGFNTASS KWDLGNPPGN LSTVAALPAS EDVPLTAFAL ELQHLSAIG
PVLLLTSDNI KQRLGSAALD SIHEYRLSSW LGQQEDIHRI VLYQADGTLT PWTQRCIRQA
DCILIVLGE QEPAVGELEQ MLESTAVRAQ KQLILLHKED GPVPSRTVEW LNMRSWCSGH
LHLCCPRRVF SKRSLPKLVE MYTRVFQRPP DRHSDFSRLA RMLTGNAIAL VLGSGGARGC
AQVGILRALA ECGVPVDIIG GTSIGAFMGA LFAEERSYSQ TRIRAKQWAE GMTSMMKTIL
DLTYPITSMF SGTGFNSSIS NIFKDRQIED LWLPYFAITT DITASAMRVH TDGSLWRYVR
ASMSLSGYMP PLCDPKDGHL LMDGGYINNL PADVARSMGA KVVIAIDVGS RDETDLTNYG
DALSGWLLW KRWNPLATKV KVLNMAEIQT RLAYVCCVRQ LEMVKNSDYC EYLRPPIDSY
RTLDFGKFDE ICEVGYQHGR TVFDIWVRSG VLEKMLQDQQ GTSKRKDCGV FTCPNSSFTD
LAEIVSRIEP AKVAAVDDDES DYQTEYEEEL PAIPKETYAD FQSTGIELDS DSEYEPSMLQ
GPPSLTSPEQ SQDSFPWLPN QDDQGPRLEH PS **Sequence without tag. The proposed
Purification-Tag is based on experiences with the expression system, a different complexity
of the protein could make another tag necessary. In case you have a special request, please
contact us.**

Specificity: If you are looking for a specific domain and are interested in a partial protein or a different isoform, please contact us regarding an individual offer.

Characteristics: Key Benefits:

- Made to order protein - from design to production - by highly experienced protein experts.
- Protein expressed in mammalian cells and purified in one-step affinity chromatography
- The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.
- State-of-the-art algorithm used for plasmid design (Gene synthesis).

This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.

If you are not interested in a full length protein, please contact us for individual protein fragments.

The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.

Purity: > 90 % as determined by Bis-Tris PAGE, anti-tag ELISA, Western Blot and analytical SEC (HPLC)

Grade: custom-made

Target Details

Target:	Patatin-Like Phospholipase Domain Containing 7 (PNPLA7)
Alternative Name:	Pnpla7 (PNPLA7 Products)
Background:	<p>Patatin-like phospholipase domain-containing protein 7 (EC 3.1.1.-) (EC 3.1.1.5) (Neuropathy target esterase-related esterase) (NRE) (NTE-related esterase),FUNCTION: Lysophospholipase which preferentially deacylates unsaturated lysophosphatidylcholine (C18:1), generating glycerophosphocholine (PubMed:18086666, PubMed:28887301). Can also deacylate, to a lesser extent, lysophosphatidylethanolamine (C18:1), lysophosphatidyl-L-serine (C18:1) and lysophosphatidic acid (C16:0) (PubMed:22326266, PubMed:18086666, PubMed:28887301). {ECO:0000269 PubMed:18086666, ECO:0000269 PubMed:22326266, ECO:0000269 PubMed:28887301}., FUNCTION: [Isoform 2]: Lysophospholipase. {ECO:0000269 PubMed:22326266}., FUNCTION: [Isoform 3]: Lacks lysophospholipase activity. {ECO:0000269 PubMed:22326266}.</p>
Molecular Weight:	150.5 kDa
UniProt:	A2AJ88

Application Details

Application Notes:	We expect the protein to work for functional studies. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	The buffer composition is at the discretion of the manufacturer.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-80 °C
Storage Comment:	Store at -80°C.
Expiry Date:	12 months