

Datasheet for ABIN7563676

PNPLA6 Protein (AA 1-1355) (His tag)



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Overview

Quantity:	1 mg
Target:	PNPLA6
Protein Characteristics:	AA 1-1355
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This PNPLA6 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant Pnpla6 Protein expressed in mammalian cells.
Sequence:	MGTPSHELNT TSSGAEVIQK TLEEGLGRRI CVAQPVFPV QVLGVMIGAG VAVLVTAVLI LLVVRRLRVQ KTPAPEGPRY RFRKRDVLF YGRKIMRKVS QSTSSLVDT S VSTTSRPRMK KKLKMLNIAK KILRIKETP TLQRKEPPPS VLEADLTEGD LANSHPSEV LYMLKNVRVL GHFEKPLFLE LCRHMFVQRL GQGDYVFRPG QPDASIYVVQ DGLLELCLPG PDGKECVVKE VVPGDSVNSL LSILDVITGH QHPQRTVSAR AARDSTVLRL PVEAFSAVFT KYPESLVRVV QIIMVRLQRV TFLALHNYLG LTNELFSHEI QPLRLFPSG LPTRTSPVRG SKRVVSTSGT EDTSKETSGR PLDSIGAPLP GPAGDPVKPT SLEAPPAPLL SRCISMPVDI SGLQGGPRSD FDMAYERGRI SVSLQEEASG GPQTASPREL REQPAGECEY SYCEDESATG GCPFGPYQGR QTSSIFEAAK RELAKLMRIE DPSLLNSRVL LHHAKAGTII ARQGDQDVSL HFVLWGCLHV YQRMIDKAE VCLFVAQPGE LVGQLAVLTG EPLIFTLRAQ RDCTFLRISK SHFYEIMRAQ PSVVLAAHT VAARMSPFVR QMDFAIDWTA VEAGRALYRQ GDRSDCTYIV LNGRLRSVIQ RGSGKKELVG EYGRGDLIGV VEALTRQPR TTVHAVRDTE LAKLPEGTLG HIKRRYPQVV

TRLIHLLSQK ILGNLQQLQG PFPGSGLSVP QHSELTNPAS NLSTVAILPV CAEVPMMMAFT
LELQHALQAI GPTLLLNSDV IRALLGASAL DSIQEFRLSG WLAQQEDAHR IVLYQTDTSL
TPWTVRCLRQ ADCILIVGLG DQEPTVGQLE QMLENTAVRA LKQLVLLHRE EGPGPTRTVE
WLNMRSWCSG HLHLRCPRRL FSRRSPAKLH ELYEKVFSRR ADRHSDFSRL ARVLTGNTIA
LVLGGGGARG CSHIGVLKAL EEAGVPVDLV GGTSIGSFIG ALYAEERSAS RTKQRAREWA
KSMTSVLEPV LDLTYPVTSM FTGSAFNRSI HRVFQDKQIE DLWLPYFNVT TDITASAMRV
HKDGLWRYV RASMTLSGYL PPLCDPKDGH LLMDGGYINN LPADIARSMG AKTVIAIDVG
SQDETDLSTY GDSLGSWWLL WKRLNPWADK VKVPDMAEQ SRLAYVSCVR QLEVVKSSSY
CEYLRPIDC FKTMDFGKFD QIYDVGYYG KAVFGGWTRG EVIEKMLTDR RSTDLESRR
ADILAFPSSG FTDLAEIVSR IEPPTSIVSD GCADGEESDC LTYEEDAGP DCSRDEGGSP
EGASPSTASE VEEKSTLRQ RRFLPQETPS SVADA

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:	PNPLA6
Alternative Name:	Pnpla6 (PNPLA6 Products)
Background:	Patatin-like phospholipase domain-containing protein 6 (Neuropathy target esterase) (EC 3.1.1.5),FUNCTION: Phospholipase B that deacylates intracellular phosphatidylcholine (PtdCho), generating glycerophosphocholine (GroPtdCho) (PubMed:18086666) (Probable). This deacylation occurs at both sn-2 and sn-1 positions of PtdCho. Catalyzes the hydrolysis of several naturally occurring membrane-associated lipids. Hydrolyzes lysophospholipids and monoacylglycerols, preferring the 1-acyl to the 2-acyl isomer. Does not catalyze hydrolysis of di- or triacylglycerols or fatty acid amides (By similarity). {ECO:0000250 UniProtKB:Q8IY17, ECO:0000269 PubMed:18086666, ECO:0000305 PubMed:16963094}.
Molecular Weight:	149.5 kDa
UniProt:	Q3TRM4
Pathways:	Ribonucleoside Biosynthetic Process

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