Datasheet for ABIN7554867

PLA2G4D Protein (AA 1-818) (His tag)

3 Images

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Overview

Quantity:	1 mg
Target:	PLA2G4D
Protein Characteristics:	AA 1-818
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This PLA2G4D protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant PLA2G4D Protein expressed in mammalian cells.
Sequence:	MESLSPGGPP GHPYQGEAST CWQLTVRVLE ARNLRWADLL SEADPYVILQ LSTAPGMKFK TKTLTDTSHP VWNEAFRFLI QSQVKNVLEL SIYDEDSVTE DDICFKVLYD ISEVLPGKLL RKTFSQSPQG EEELDVEFLM EETSDRPENL ITNKVIVARE LSCLDVHLDS TGSTAVVADQ DKLELELVLK GSYEDTQTSF LGTASAFRFH YMAALETELS GRLRSSRSNG WNGDNSAGYL TVPLRPLTIG KEVTMDVPAP NAPGVRLQLK AEGCPEELAV HLGFNLCAEE QAFLSRRKQV VAKALKQALQ LDRDLQEDEV PVVGIMATGG GARAMTSLYG HLLALQKLGL LDCVTYFSGI SGSTWTMAHL YGDPEWSQRD LEGPIRYARE HLAKSKLEVF SPERLASYRR ELELRAEQGH PTTFVDLWAL VLESMLHGQV MDQKLSGQRA ALERGQNPLP LYLSLNVKEN NLETLDFKEW VEFSPYEVGF LKYGAFVPPE LFGSEFFMGR LMRRIPEPRI CFLEAIWSNI FSLNLLDAWY DLTSSGESWK QHIKDKTRSL EKEPLTTSGT SSRLEASWLQ PGTALAQAFK GFLTGRPLHQ RSPNFLQGLQ LHQDYCSHKD FSTWADYQLD SMPSQLTPKE PRLCLVDAAY FINTSSPSMF RPGRRLDLIL SFDYSLSAPF EALQQTELYC RARGLPFPRV EPSPQDQHQP RECHLFSDPA

Product Details

	CPEAPILLHF PLVNASFKDH SAPGVQRSPA ELQGGQVDLT GATCPYTLSN MTYKEEDFER LLRLSDYNVQ TSQGAILQAL RTALKHRTLE ARPPRAQT **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:	PLA2G4D
Alternative Name:	PLA2G4D (PLA2G4D Products)
Background:	Cytosolic phospholipase A2 delta (cPLA2-delta) (EC 3.1.1.4) (Phospholipase A2 group IVD),FUNCTION: Calcium-dependent phospholipase A2 that selectively hydrolyzes glycerophospholipids in the sn-2 position (PubMed:14709560). Has a preference for linoleic acid at the sn-2 position (PubMed:14709560). {ECO:0000269|PubMed:14709560}.
Molecular Weight:	92.0 kDa

Target Details

UniProt:	Q86XP0
Pathways:	Inositol Metabolic Process, VEGF Signaling

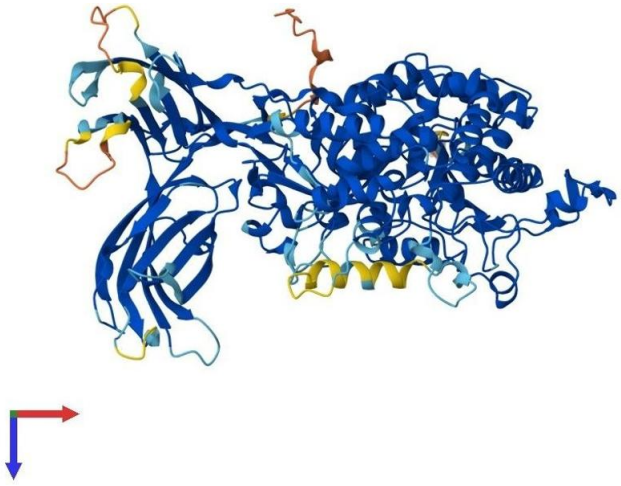
Application Details

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

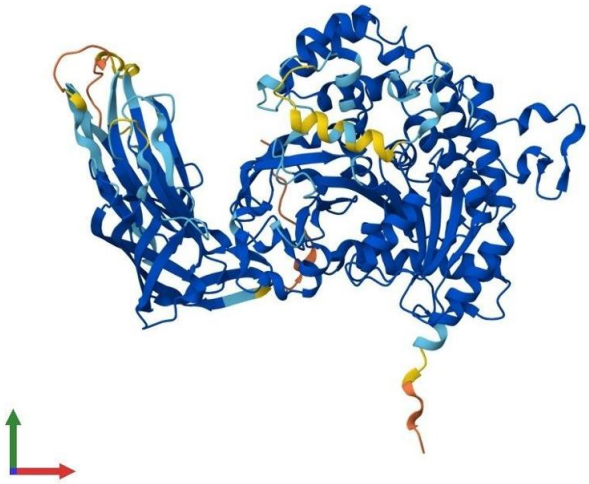
Images



Protein Structure

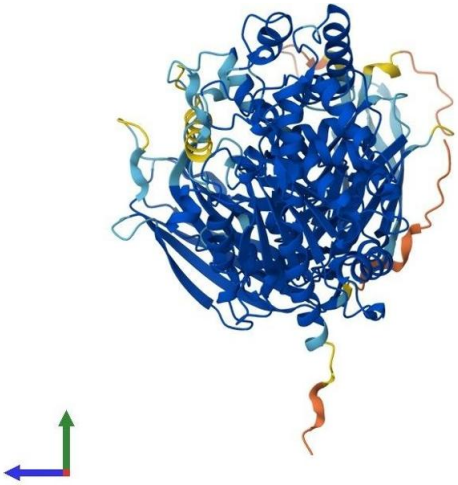
Image 1. AlphaFold protein structure predicition of Human Recombinant PLA2G4D Protein, UniprotID Q86XP0

Images



Protein Structure

Image 2. AlphaFold protein structure predicition of Human Recombinant PLA2G4D Protein, UniprotID Q86XP0



Protein Structure

Image 3. AlphaFold protein structure predicition of Human Recombinant PLA2G4D Protein, UniprotID Q86XP0