

Datasheet for ABIN7561564
PLSCR3 Protein (AA 1-296) (His tag)



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Overview

Quantity:	1 mg
Target:	PLSCR3
Protein Characteristics:	AA 1-296
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This PLSCR3 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant Plscr3 Protein expressed in mammalian cells.
Sequence:	MAGYLPPKGY APSPPPPYPV PSGYPEPVAL HPGPGQAPVP TQVPAPAPGF ALFPSPGPVA PGPPAPFVPL PGVPPGLEFL VQIDQILIHQ KAERVETFLG WETCNMYELR SGTGQQLGQA AEESSCCARL CCGARRPFRI RLADPGDREV LRLLRPLHCG CSCCPCGLQE MEVQAPPGTT IGHVLQTWHP FLPKFSILDA DRQPVLRVVG PCWTCGCGTD TNFEVKTKDE SRSVGRISKQ WGLLREALT DADDFGLQFP VLDLVKVKAV LLGATFLIDY MFFEKRGGAG PSAITS 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:

Product Details

- 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)
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Grade:	custom-made
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Target Details

Target:	PLSCR3
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Alternative Name:	Plscr3 (PLSCR3 Products)
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Background:	Phospholipid scramblase 3 (PL scramblase 3) (Ca(2+)-dependent phospholipid scramblase 3),FUNCTION: Catalyzes calcium-induced ATP-independent rapid bidirectional and non-specific movement of the phospholipids (lipid scrambling or lipid flip-flop) between the inner and outer membrane of the mitochondria (By similarity). Plays an important role in mitochondrial respiratory function, morphology, and apoptotic response (By similarity). Mediates the translocation of cardiolipin from the mitochondrial inner membrane to outer membrane enhancing t-Bid induced cytochrome c release and apoptosis (Probable). Enhances TNFSF10-induced apoptosis by regulating the distribution of cardiolipin in the mitochondrial membrane resulting in increased release of apoptogenic factors and consequent amplification of the activity of caspases (By similarity). Regulates cardiolipin de novo biosynthesis and its resynthesis (By similarity). {ECO:0000250 UniProtKB:Q9NRY6, ECO:0000305 PubMed:21785166}.
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Molecular Weight:	31.8 kDa
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UniProt:	Q9JIZ9
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Target Details

Pathways: [Cellular Response to Molecule of Bacterial Origin, Carbohydrate Homeostasis](#)

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