

Datasheet for ABIN7561565

## PLSCR1 Protein (AA 1-328) (His tag)



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### Overview

Quantity:	1 mg
Target:	PLSCR1
Protein Characteristics:	AA 1-328
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This PLSCR1 protein is labelled with His tag.

### Product Details

Purpose:	Custom-made recombinant Plscr1 Protein expressed in mammalian cells.
Sequence:	<p>MENHSKQTEA PHPGTYPAG YPPPYPPAAF QGPSDHAAYP IPQAGYQGPP GPYPGPQPGY  PVPPGGYAGG GPSGFPVQNN PAYNHPGGPG GTPWMPAPPP PLNCPPGLEY LAQIDQLLVH  QQIELLEVLT GFETNNKYEI KNSLGQRVYF AVEDTDCCTR NCCGASRPFT LRILDNLGRE  VMTLERPLRC SSCCFPCCLQ EIEIQAPPGV PVGYVTQTDWH PCLPKFTLQN EKKQDVLKVV  GPCVVCSCCS DIDFELKSLD EESVVGKISK QWSGFVREAF TDADNFGIQF PLDLVKMKA  VMLGACFLID FMFFERTGNE EQRSGAWQ</p> <p><b>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.</b></p>
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

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- 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

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Target:	PLSCR1
Alternative Name:	Plscr1 ( <a href="#">PLSCR1 Products</a> )
Background:	<p>Phospholipid scramblase 1 (PL scramblase 1) (Ca(2+)-dependent phospholipid scramblase 1) (Mg(2+)-dependent nuclease) (EC 3.1.-.-) (Transplantability-associated protein 1) (NOR1) (TRA1),FUNCTION: Catalyzes calcium-induced ATP-independent rapid bidirectional and non-specific distribution of phospholipids (lipid scrambling or lipid flip-flop) between the inner and outer leaflet of the plasma membrane resulting in collapse of the phospholipid asymmetry which leads to phosphatidylserine externalization on the cell surface (PubMed:32110987). Mediates calcium-dependent phosphatidylserine externalization and apoptosis in neurons via its association with TRPC5 (PubMed:32110987). Also exhibits magnesium-dependent nuclease activity against double-stranded DNA and RNA but not single-stranded DNA and can enhance DNA decatenation mediated by TOP2A (By similarity). Negatively regulates FcR-mediated phagocytosis in differentiated macrophages (PubMed:26745724). May contribute to cytokine-regulated cell proliferation and differentiation (PubMed:12010804).</p> <p>{ECO:0000250 UniProtKB:O15162, ECO:0000269 PubMed:12010804, ECO:0000269 PubMed:26745724, ECO:0000269 PubMed:32110987}.</p>

## Target Details

Molecular Weight:	35.9 kDa
UniProt:	<a href="#">Q9JJ00</a>
Pathways:	<a href="#">Cellular Response to Molecule of Bacterial Origin</a>

## 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