

Datasheet for ABIN7557336  
**PLS1 Protein (AA 1-630) (His tag)**



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## Overview

Quantity:	1 mg
Target:	PLS1
Protein Characteristics:	AA 1-630
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This PLS1 protein is labelled with His tag.

## Product Details

Purpose:	Custom-made recombinant PIs1 Protein expressed in mammalian cells.
Sequence:	<p>MENSTTTISR EELEELQEAF NKIDIDNSGY VSDYELQDLF KEASLPLPGY KVREIVEKIL VVADNNKDGK ISFEEFVSLM QELKSKDISK TFRKIINKRE GITAIGGTSS ISSEGTQHSY SEEEKVAFVN WINKALENDA DCSHLLPMNP NDGSLFKSLA DGILLCKMIN LSEPDTIDER AINKKKLTTPF TVSENLNLAL NSASAIGCTV VNIGAQDLKE GKPHLVLGLL WQIIKVGLFA DIEISRNEAL IALLKDGEDL EELMKLSPEE LLLRWVNYHL TNAGWRTINN FSQDIKDSKA YFHLLNQIAP KGDRDDGPAV AIDLSGFNEK NDLKRAFML QEADKLGCRQ FVTPADVVS G NPKLNLAFAVA NLFNTYPCLH KPDNNDIDLN LLEGESKEER TFRNWMNSLG VNPYINHLYS DLADALVIFQ LYEMIRVPVN WSQVKNPPYP ALGGNMKKIE NCNYAVELGK NEAKFSLVGI AGQDLNEGNA TLTALVWQL MRRYTLKVLS DLGEGEKVTD DIIKWVNQT LKSANKSTSI SSFKDKSIST SLPVLDLIDA IAPNAVRQEM IKREHLTDED KLNNAKY AIS VARKIGARIY ALPDDLVEVK PKMVM TVFAC LMGKGLNRLK <b>Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity</b></p>

## Product Details

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**of the protein could make another tag necessary. In case you have a special request, please contact us.**

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**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.

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**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.

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**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

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**Target:** PLS1

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**Alternative Name:** Pls1 ([PLS1 Products](#))

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**Background:** Plastin-1,FUNCTION: Actin-bundling protein. In the inner ear, it is required for stereocilia formation. Mediates liquid packing of actin filaments that is necessary for stereocilia to grow to their proper dimensions (PubMed:27811163). {ECO:0000269|PubMed:25124451, ECO:0000269|PubMed:27811163}.

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**Molecular Weight:** 70.4 kDa

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**UniProt:** [Q3V0K9](#)

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## Application Details

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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.

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Restrictions: For Research Use only

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## Handling

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Format: Liquid

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Buffer: The buffer composition is at the discretion of the manufacturer.

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Handling Advice: Avoid repeated freeze-thaw cycles.

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Storage: -80 °C

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Storage Comment: Store at -80°C.

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Expiry Date: 12 months

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