

# Recombinant human PLSCR3 protein

Catalog Number: ATGP2384

## PRODUCT INFORMATION

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### Expression system

E.coli

### Domain

1-265aa

### UniProt No.

Q9NRY6

### NCBI Accession No.

NP\_001188505

### Alternative Names

Phospholipid scramblase 3, PLS3, Ca(2+)-dependent phospholipid scramblase 3, PL scramblase 3

## PRODUCT SPECIFICATION

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### Molecular Weight

30.9 kDa (288aa)

### Concentration

1mg/ml (determined by Bradford assay)

### Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 10% glycerol 0.4M urea

### Purity

> 90% by SDS-PAGE

### Tag

His-Tag

### Application

SDS-PAGE, Denatured

### Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

## BACKGROUND

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### Description

PLSCR3 may mediate accelerated ATP-independent bidirectional transbilayer migration of phospholipids upon binding calcium ions that results in a loss of phospholipid asymmetry in the plasma membrane. This protein may play a central role in the initiation of fibrin clot formation, in the activation of mast cells and in the recognition of apoptotic and injured cells by the reticuloendothelial system. It seems to play a role in apoptosis, through translocation of cardiolipin from the inner to the outer mitochondrial membrane which promotes BID recruitment and enhances tBid-induced mitochondrial damages. Recombinant human PLSCR3 protein, fused to His-tag at N-

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terminus, was expressed in E. coli.

## Amino acid Sequence

MGSSHHHHHH SSGLVPRGSH MGSMAGYLPP KGYAPSPPPP YPVTGYPEP ALHPGPGQAP VPAQVPAPAP GFALFPSPGP  
VALGSAAPFL PLPGVPSGLE FLVQIDQILI HQKAERVETL LGWETCNRYE LRSGAGQPLG QAAEESNCCA RLCCGARRPL  
RVRLADPGDR EVLRLLRPLH CGCSCCPCGL QEMEVQAPPG TTIGHVLQTW HPFLPKFSIQ DADRQTVLRV VGPCWTCGCG  
TDTNFEVKTR DESRSVGRIS KQWGGLVREA LTDADDFGLQ FPLDLVDR

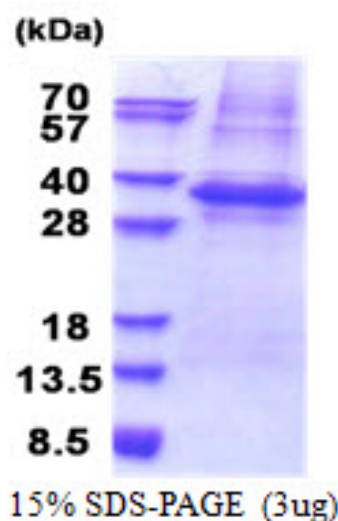
## General References

He Y., et al (2007), J. Cell. Biochem. 101:1210-1221

Shibata H., et al (2008) J. Biol. Chem. 283:9623-9632

## DATA

### SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.