

AR51206PU-N

Human PLSCR3 (1-265, His-tag) - Purified

Alternate names:

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

Quantity:

0.5 mg

Concentration:

1.0 mg/ml (determined by Bradford assay)

Background:

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.

Uniprot ID:

[Q9NRY6](#)

NCBI:

[NP_001188505](#)

GenelD:

[57048](#)

Species:

Human

Source:

E. coli

Format:

State: Liquid purified protein

Purity: >90% by SDS - PAGE

Buffer System: 20 mM Tris-HCl buffer (pH8.0) containing 10% glycerol 0.4M Urea

Description:

Recombinant human PLSCR3 protein, fused to His-tag at N-terminus, was expressed in E.coli.

AA Sequence:

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

Molecular weight: 30.9 kDa (288aa)

Storage:

Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.

General Readings:

He Y., et al (2007), J. Cell. Biochem. 101:1210-1221 Shibata H., et al (2008) J. Biol. Chem. 283:9623-9632

Pictures:

