

Recombinant Human phospholipid scramblase 3, His-tagged

Cat. No. PLSCR3-301H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	PLSCR3, 1-265 aa, Human, His tag, E.coli
Species	Human
Source	E.coli
ProteinLength	1-265 a.a.
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-terminus, was expressed in E.coli.
Form	Liquid. 20mM Tris-HCl buffer (pH8.0) containing 10% glycerol 0.4M Urea
Molecular Mass	30.9 kDa (288aa)
AA Sequence	MGSSHHHHHH SSGLVPRGSH MGSMAGYLPP KGYAPSPPPP YPVTPGYPEP ALHPGPGQAP VPAQVPAPAP GFALFPSPGP VALGSAAPFL PLPGVPSGLE FLVQIDQILI HQKAERVETF LGWETCNRYE LRSGAGQPLG QAAEESNCCA

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RLCCGARRPL RVRLADPGDR EVLRLLRPLH CGCSCCPCGL QEMEVQAPPG
 TTIGHVLQTW HPFLPKFSIQ DADRQTVLRV VGPCWTCGCG TDTNFEVKTR
 DESRSVGRIS KQWGGLVREA LTDADDFGLQ FPLDL DVR

Purity >90% by SDS - PAGE

Storage Can be stored at +4C short term (1-2 weeks). For long term storage, aliquot and store at -20C or -70C. Avoid repeated freezing and thawing cycles.

Concentration 1mg/ml (determined by Bradford assay)

GENE INFORMATION

Gene Name [PLSCR3 phospholipid scramblase 3 \[Homo sapiens \]](#)

Official Symbol PLSCR3

Synonyms PLSCR3; phospholipid scramblase 3; PL scramblase 3; ca(2+)-dependent phospholipid scramblase 3;

Gene ID [57048](#)

mRNA Refseq [NM_001201576](#)

Protein Refseq [NP_001188505](#)

MIM [607611](#)

UniProt ID [Q9NRY6](#)

Chromosome Location 17

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Function

SH3 domain binding; calcium ion binding; calcium-dependent protein binding; phospholipid scramblase activity; protein binding;

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