

# Recombinant Human phospholipid scramblase 3, His-tagged

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

## SPECIFICATION

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

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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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