

**PLSCR3, 1-265 aa, Human, His tag, E.coli**

**Cat.NO.: TP03439**

3th Edition

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

**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 Weight:** 30.9 kDa (288aa)

**Sequences:**

MGSSHHHHHSSGLVPRGSHMGSMAGYLPPKGYAPSPPPYPVTPGYPEPALHPGPGQAPVPAQVPAPAPGFA  
LFPSPGPVALGSAAPFLPLPGVPSGLEFLVQIDQILIHQAERVETFLGWETCNRYELRSGAGQPLGQAAEESNCCA  
RLCCGARRPLRVRLADPGDREVLRLRPLHCGSCCPCGLQEMEVQAPPGTTIGHVLQTWHPFLPKFSIQDADRQ  
TVLRVVGPCWTCGCGTDTNFEVKTRDESRSVGRISKQWGGLVREALTDADDFGLQFPLDL DVR

**Purity:** > 95% by HPLC

**Concentration:** 1mg/ml (determined by Bradford assay)

**Endotoxin Level:** <1.0 EU per 1 ug of protein (determined by LAL method)

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