

Recombinant Human phospholipid scramblase 1, His-tagged

Cat. No. PLSCR1-354H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	PLSCR1, 1-288aa, Human, His tag, E.coli
Species	Human
Source	E.coli
ProteinLength	1-288 a.a.
Description	Phospholipid scramblase 1, also known as PLSCR1, may play a role in the antiviral response of interferon (IFN) by amplifying and enhancing the IFN response through increased expression of select subset of potent antiviral genes. This protein may contribute to cytokine-regulated cell proliferation and differentiation. Recombinant human PLSCR1 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
Form	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.2M NaCl, 30% glycerol, 1mM DTT
Molecular Mass	33.8 kDa (308aa) confirmed by MALDI-TOF
AA Sequence	MGSSHHHHHH SSGLVPRGSH MDKQNSQMNA SHPETNLPVG YPPQYPPTAF QGPPGYSGYP GPQVSYPPPP AGHSGPGPAG FPVPNQPVYN QPVYNQPVGA AGVPWMPAPQ PPLNCPPGLE YLSQIDQILI HQQIELLEVL TGFETNNKYE IKNSFGQRVY FAAEDTDCCT RNCCGPSRPF TLRIIDNMGQ EVITLERPLR CSSCCPCCL QEIEIQAPPG VPIGYVIQTW HPCLPKFTIQ NEKREDVLKI

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	SGPCVVCSCC GDVDFEIKSL DEQCVVGKIS KHWTGILREA FTDADNFGIQ FPLDLVDK
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	0.5 mg/ml (determined by Bradford assay)
GENE INFORMATION	
Gene Name	PLSCR1 phospholipid scramblase 1 [Homo sapiens]
Official Symbol	PLSCR1
Synonyms	PLSCR1; phospholipid scramblase 1; MMTRA1B; PL scramblase 1; erythrocyte phospholipid scramblase; ca(2+)-dependent phospholipid scramblase 1;
Gene ID	5359
mRNA Refseq	NM_021105
Protein Refseq	NP_066928
MIM	604170
UniProt ID	O15162
Chromosome Location	3q23

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Pathway	EGFR1 Signaling Pathway, organism-specific biosystem;
Function	CD4 receptor binding; RNA polymerase II core promoter proximal region sequence-specific DNA binding transcription factor activity involved in positive regulation of transcription; SH3 domain binding; calcium ion binding; calcium ion binding; enzyme bindin

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