

Recombinant Mouse Plscr3 Protein, Myc/DDK-tagged

Cat. No. Plscr3-4942M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length phospholipid scramblase 3 (Plscr3), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Catalyzes calcium-induced ATP-independent rapid bidirectional and non-specific movement of the phospholipids (lipid scrambling or lipid flip-flop) between the inner and outer membrane of the mitochondria. Plays an important role in mitochondrial respiratory function, morphology, and apoptotic response. Mediates the translocation of cardiolipin from the mitochondrial inner membrane to outer membrane enhancing t-Bid induced cytochrome c release and apoptosis (Probable). Enhances TNFSF10-induced apoptosis by regulating the distribution of cardiolipin in the mitochondrial membrane resulting in increased release of apoptogenic factors and consequent amplification of the activity of caspases. Regulates cardiolipin de novo biosynthesis and its resynthesis.
Molecular Mass	31.8 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.

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Storage	Store at -80 centigrade after receiving vials.
Concentration	>50 µg/mL as determined by microplate BCA method
Storage Buffer	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

GENE INFORMATION

Gene Name	Plscr3 phospholipid scramblase 3 [Mus musculus (house mouse)]
Official Symbol	Plscr3
Synonyms	PLSCR3; phospholipid scramblase 3; PL scramblase 3; Ca 2+ dependent phospholipid scramblase 3; ca(2+)-dependent phospholipid scramblase 3; ESTM3; X83310; 2210403O21Rik; 2610037N06Rik
Gene ID	70310
mRNA Refseq	NM_001168497
Protein Refseq	NP_001161969
UniProt ID	Q9JIZ9

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