

Recombinant Human PLSCR3 Protein, MYC/DDK-tagged, C13 and N15-labeled

Cat. No. PLSCR3-128H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	PLSCR3 MS Standard C13 and N15-labeled recombinant protein (NP_065093) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
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. 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	31.6 kDa
AA Sequence	MAGYLPPKGYAPSPPPYPVTPGYPEPALHPGPGQAPVPAQVPAPAPGFALFPSP GPVALGSAAPFLPLPGVPSGLEFLVQIDQILIHQKAERVETFLGWETCNRYELRSGA GQPLGQAAEESNCCARLCCGARRPLRVRLADPGDREVLRLRLPLHCGCSCCPCGL

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

QEMEVQAPPGTTIGHVLQTWHPFLPKFSIQDADRQTVLRVVGPCWTCGCGTDTNF
 EVKTRDESRSVGRISKQWGGLVREALTDADDFGLQFPLDLDVVRKAVLLGATFLIDY
 MFFEKRGGAGPSAVTSTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

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

Official Symbol PLSCR3

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

Gene ID 57048

mRNA Refseq NM_020360

Protein Refseq NP_065093

MIM 607611

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UniProt ID

Q9NRY6

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