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Product datasheet for PH310587

PLSCR3 (NM_020360) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	PLSCR3 MS Standard C13 and N15-labeled recombinant protein (NP_065093)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC210587
Predicted MW:	31.6 kDa
Protein Sequence:	>RC210587 protein sequence Red=Cloning site Green=Tags(s) MAGYLPPKGYAPSPPPPYPVTPGYPEPALHPGPGQAPVPAQVPAPAPGFALFPSPGPVALGSAAPFLPLP GVPSGLEFLVQIDQILIHQKAERVETFLGWETCNRYELRSGAGQPLGQAAEESNCCARLCCGARRPLRVR LADPGDREVLRLLRPLHCGCSCCPCGLQEMEVQAPPGTTIGHVLQTWHPFLPKFSIQDADRQTVLRVVGP CWTCGCGTDTNFEVKTRDESRSVGRISKQWGGLVREALTDADDFGLQFPLDLDVRVKAVLLGATFLIDYM FFEKRGGAGPSAVTS TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_065093
RefSeq Size:	2089
RefSeq ORF:	885
Locus ID:	57048
UniProt ID:	Q9NRY6

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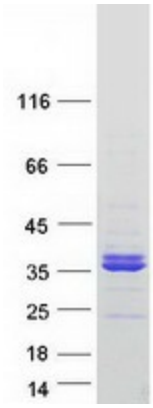
Cytogenetics: 17p13.1

Summary: 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. 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. 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.[UniProtKB/Swiss-Prot Function]

Product images:



Coomassie blue staining of purified PLSCR3 protein (Cat# [TP310587]). The protein was produced from HEK293T cells transfected with PLSCR3 cDNA clone (Cat# [RC210587]) using MegaTran 2.0 (Cat# [TT210002]).