
Product Data Sheet

Product Name: PLSCR3 Human
 Cat. No.: GP24197
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Phospholipid scramblase 3; PL scramblase 3; Ca(2+)-dependent phospholipid scramblase 3.		
Amino Acid Sequence	MGSSHHHHHH SSGLVPRGSH MGSMAGYLPP KGYAPSPPPP YPVTPTYPEP ALHPGPGQAP VPAQVPAPAPGFALFPSPGP VALGSAAPFL PLPGVPSGLE FLVQIDQILI HQKAERVETF LGWETCNRYE LRSGAGQPLGQAAEESNCCA RLCCGARRPL RVRLADPGDR EVLRLLRPLH CGCSCCPCGL QEMEVQAPPG TTIGHVLQTW HPFLPKFSIQ DADRQTVLRVVGPCWTCGCG TDTNFEVKTR DESRSVGRIS KQWGGLVREA LTDADDFGLQ FPLDL DVR		
Formulation	PLSCR3 protein solution (1mg/ml) containing 20mM Tris-HCl buffer (pH 8.0), 10% glycerol and 0.4M urea.		

Introduction

Phospholipid Scramblase 3, (PLSCR3) may mediate accelerated ATP-independent bidirectional transbilayer migration of phospholipids upon binding calcium ions which results in a loss of phospholipid asymmetry in the plasma membrane. PLSCR3 may play a key 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. In addition, PLSCR3 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. Among the diseases associated with PLSCR3 are brain ischemia, and ischemia.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1%

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA

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HSA or BSA). Please avoid freeze thaw cycles.

Background

PLSCR3 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 288 amino acids (1-265 a.a) and having a molecular mass of 30.9kDa.

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