32-4468: Recombinant Human Phospholipid Scramblase 3

Alternative Name : Phospholipid scramblase 3,PL scramblase 3,Ca(2+)-dependent phospholipid scramblase 3.

Description

Source : Escherichia Coli. 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.PLSCR3 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques. 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.

Product Info

Amount :	25 µg
Purification :	Greater than 90% as determined by SDS-PAGE.
Content :	PLSCR3 protein solution (1mg/ml) containing 20mM Tris-HCl buffer (pH 8.0), 10% glycerol and 0.4M urea.
Storage condition :	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% HSA or BSA).Please avoid freeze thaw cycles.
Amino Acid :	MGSSHHHHHH SSGLVPRGSH MGSMAGYLPP KGYAPSPPPP YPVTPGYPEP ALHPGPGQAP VPAQVPAPAP GFALFPSPGP VALGSAAPFL PLPGVPSGLE FLVQIDQILI HQKAERVETF LGWETCNRYE LRSGAGQPLG QAAEESNCCA RLCCGARRPL RVRLADPGDR EVLRLLRPLH CGCSCCPCGL QEMEVQAPPG TTIGHVLQTW HPFLPKFSIQ DADRQTVLRV VGPCWTCGCG TDTNFEVKTR DESRSVGRIS KQWGGLVREA LTDADDFGLQ FPLDLDVR