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32-3716: GLTPD1 Recombinant Protein

Alternative Name :	Ceramide-1-Phosphate Transfer Protein,Glycolipid Transfer Protein Domain-Containing Protein 1,Glycolipid Transfer Protein Domain Containing 1,GLTP Domain-Containing Protein 1,GLTPD1,GLTPD1,Ceramide-1-phosphate transfer protein,CPTP.

Description

Source : Escherichia Coli. GLTPD1 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 237 amino acids (1-214 a.a) and having a molecular mass of 26.8kDa. GLTPD1 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques. Glycolipid Transfer Protein Domain Containing 1 (GLTPD1) belongs to the GLTP family. GLTPD1 mediates the intracellular transfer of ceramide-1-phosphate between organelle membranes and the cell membrane. GLTPD1 is essential for normal structure of the Golgi stacks. In addition, GLTPD1 is able to bind phosphoceramides with a diversity of aliphatic chains, however GLTPD1 has a preference for lipids with saturated C16:0 or monounsaturated C18:1 aliphatic chains. Moreover, GLTPD1 is inefficient with phosphoceramides which contains lignoceryl (C24:0). GLTPD1 participates in the regulation of the cellular levels of ceramide-1-phosphate, and in that way contributes to the regulation of phospholipase PLA2G4A activity and the release of arachidonic acid.

Product Info

Amount :	10 µg
Purification :	Greater than 90.0% as determined by SDS-PAGE.
Content :	GLTPD1 protein solution (0.25mg/ml) containing Phosphate buffered saline (pH7.4), 50% glycerol and 1mM DTT.
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 MGSMDDSETG FNLKVVLVSF KQCLDEKEEV LLDPYIASWK GLVRFLNSLG TIFSFISKDV VSKLRIMERL RGGPQSEHYR SLQAMVAHEL SNRLVDLERR SHHPESGCRT VLRLHRALHW LQLFLEGLRT SPEDARTSAL CADSYNASLA AYHPWVVRRA VTVAFCTLPT REVFLEAMNV GPPEQAVQML GEALPFIQRV YNVSQKLYAE HSLLDLP.