9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
Tel: 760-390-3989

GLTPD1 Human

Glycolipid Transfer Protein Domain Containing 1 Human Recombinant
RCP0928

Product Overview

Name	GLTPD1 Human

Description

Glycolipid Transfer Protein Domain Containing 1 Human Recombinant

Accession (Primary)	Q5TA50

Synonyms

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.

Introduction

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.

Source

Escherichia Coli.

Physical Appearance

Sterile Filtered clear solution.

Formulation

GLTPD1 protein solution (0.25mg/ml) containing Phosphate buffered saline (pH7.4), 50% glycerol and 1mM DTT.

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% HSA or BSA). Please avoid freeze thaw cycles.

Purity

Greater than 90.0% as determined by SDS-PAGE.

Amino acid sequence

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MGSSHHHHHH SSGLVPRGSH MGS MDDSETG FNLKVVLVSF KQCLDEKEEV LLDPYIASWK GLVRFLNSLG TIFSFISKDV VSKLRIMERL RGGPQSEHYR SLQAMVAHEL SNRLVDLERR SHHPESGCRT VLRLHRALHW LQLFLEGLRT SPEDARTSAL CADSYNASLA AYHPWVVRRA VTVAFCTLPT REVFLEAMNV GPPEQAVQML GEALPFIQRV YNVSQKLYAE HSLLDLP.

Precautions

GLTPD1 Human is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (Q5TA50)