

**GLTPD1, 1-214aa, Human, His tag, E.coli**

**Cat.NO.: TP02261**

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3th Edition

**Synonyms:**Glycolipid transfer protein domain-containing protein 1, CPTP, MGC10334, glycolipid transfer protein domain containing 1

**Description:**GLTPD1 mediates the intracellular transfer of ceramide-1-phosphate between organelle membranes and the cell membrane. This protein is required for normal structure of the Golgi stacks. GLTPD1 can bind phosphoceramides with a variety of aliphatic chains, but has a preference for lipids with saturated C16:0 or monounsaturated C18:1 aliphatic chains, and is inefficient with phosphoceramides containing lignoceryl (C24:0). It plays a role in the regulation of the cellular levels of ceramide-1-phosphate, and thereby contributes to the regulation of phospholipase PLA2G4A activity and the release of arachidonic acid. Recombinant human GLTPD1 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

**Form:**Liquid. In Phosphate buffered saline (pH7.4) containing 50% glycerol, 1mM DTT

**Molecular Weight:**26.8 kDa (237aa) confirmed by MALDI-TOF

**Sequences:**

MGSSHHHHHSSGLVPRGSHMGSMDDSETGFNLKVVLSFKQCLDEKEEVLLDPYIASWKGLVRFLNSLGTIFFSI  
SKDVVSKLRIMERLRGGPQSEHYRSLQAMVAHELNSRLVDLERRSHHPESGCRTVLRHLRALHWLQLFLEGLRST  
PEDARTSALCADSYNASLAAYHPWVVRRAVTVAFCTLPTRVFLFLEAMNVGPPEQAVQMLGEALPFIQRVYNVSQK  
LYAEHSLLDLP

**Purity:**> 95% by HPLC

**Concentration:**0.25 mg/ml (determined by Bradford assay)

**Endotoxin Level:**<1.0 EU per 1 ug of protein (determined by LAL method)

**Storage:**Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.