

**AR51650PU-S****Human GLTPD1 (1-214, His-tag) - Purified**

<b>Alternate names:</b>	CPTP, Glycolipid transfer protein domain-containing protein 1, MGC10334, glycolipid transfer protein domain containing 1
<b>Quantity:</b>	20 µg
<b>Concentration:</b>	0.25 mg/ml (determined by Bradford assay)
<b>Background:</b>	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.
<b>Uniprot ID:</b>	<a href="#">Q5TA50</a>
<b>NCBI:</b>	<a href="#">NP_001025056</a>
<b>GenelD:</b>	<a href="#">80772</a>
<b>Species:</b>	Human
<b>Source:</b>	E. coli
<b>Format:</b>	<b>State:</b> Liquid purified protein <b>Purity:</b> >90% by SDS - PAGE <b>Buffer System:</b> PBS, pH7.4 containing 50% glycerol, 1mM DTT
<b>Description:</b>	Recombinant human GLTPD1 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques. <b>AA Sequence:</b> MGSSHHHHHH SGLVPRGSH MGSMDSETG FNLKVVLSF KQCLDEKEEV LLDPYIASWK GLVRFNLNSLG TIFSFKSDV VSKLRIMERL RGGPQSEHYR SLQAMVAHEL SNRLVDLERR SHHPESGCRT VLRRLHRLHW LQLFLEGLRT SPEDARTSAL CADSYNASLA AYHPWVVRRA VTVAFTLPT REVFLAMNV GPPEQAVQML GEALPFIQRV YNVSQKLYAE HSLLDLP <b>Molecular weight:</b> 26.8 kDa (237aa) confirmed by MALDI-TOF
<b>Storage:</b>	Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.
<b>General Readings:</b>	Simanshu D.K., et al. (2013) Nature 500:463-467.

Pictures:

