

Datasheet for ABIN7546695
GLTPD1 Protein (AA 1-214) (His tag)



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Overview

Quantity:	1 mg
Target:	GLTPD1
Protein Characteristics:	AA 1-214
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This GLTPD1 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant CPTP Protein expressed in mammalian cells.
Sequence:	MDDSETGFNL KVVLSFKQC LDEKEEVLLD PYIASWKGLV RFLNSLGTIF SFISKDVVSK LRIMERLRGG PQSEHYRSLQ AMVAHELNSR LVDLERRSHH PESGCRTVLR LHRALHWLQL FLEGLRTSPE DARTSALCAD SYNASLAAYH PWVRRRAVTV AFCTLPTRV FLEAMNVGPP EQAVQMLGEA LPFIQRYNVV SQKLYAEHSL LDLP Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.
Specificity:	If you are looking for a specific domain and are interested in a partial protein or a different isoform, please contact us regarding an individual offer.
Characteristics:	Key Benefits: <ul style="list-style-type: none">• Made to order protein - from design to production - by highly experienced protein experts.

Product Details

- Protein expressed in mammalian cells and purified in one-step affinity chromatography
- The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.
- State-of-the-art algorithm used for plasmid design (Gene synthesis).

This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.

If you are not interested in a full length protein, please contact us for individual protein fragments.

The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.

Purity:	> 90 % as determined by Bis-Tris PAGE, anti-tag ELISA, Western Blot and analytical SEC (HPLC)
Grade:	custom-made

Target Details

Target:	GLTPD1
Alternative Name:	CPTP (GLTPD1 Products)
Background:	<p>Ceramide-1-phosphate transfer protein (CPTP) (Glycolipid transfer protein domain-containing protein 1) (GLTP domain-containing protein 1),FUNCTION: Mediates the intracellular transfer of ceramide-1-phosphate (C1P) between organelle membranes and the cell membrane. Required for normal structure of the Golgi stacks. 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). 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. Has no activity with galactosylceramide, lactosylceramide, sphingomyelin, phosphatidylcholine, phosphatidic acid and ceramide. C1P transfer is stimulated by phosphatidylserine in C1P source vesicles (PubMed:28011644). Regulates autophagy, inflammasome mediated IL1B and IL18 processing, and pyroptosis, but not apoptosis (PubMed:29164996).</p> <p>{ECO:0000269 PubMed:23863933, ECO:0000269 PubMed:28011644, ECO:0000269 PubMed:29164996}.</p>
Molecular Weight:	24.4 kDa

Target Details

UniProt: [Q5TA50](#)

Application Details

Application Notes: We expect the protein to work for functional studies. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: The buffer composition is at the discretion of the manufacturer.

Handling Advice: Avoid repeated freeze-thaw cycles.

Storage: -80 °C

Storage Comment: Store at -80°C.

Expiry Date: 12 months
