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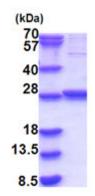
OriGene Technologies GmbH

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

| Alternate names: | CPTP, Glycolipid transfer protein domain-containing protein 1, MGC10334, glycolipid transfer protein domain containing 1 |
|-------------------|---|
| Quantity: | 20 µg |
| Concentration: | 0.25 mg/ml (determined by Bradford assay) |
| Background: | 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. |
| Uniprot ID: | <u>Q5TA50</u> |
| NCBI: | <u>NP_001025056</u> |
| GenelD: | <u>80772</u> |
| Species: | Human |
| Source: | E. coli |
| Format: | State: Liquid purified protein Purity: >90% by SDS - PAGE Buffer System: PBS, pH7.4 containing 50% glycerol, 1mM DTT |
| Description: | Recombinant human GLTPD1 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques. AA Sequence: MGSSHHHHHH SSGLVPRGSH MGSMDDSETG FNLKVVLVSF KQCLDEKEEV LLDPYIASWK GLVRFLNSLG TIFSFISKDV VSKLRIMERL RGGPQSEHYR SLQAMVAHEL SNRLVDLERR |
| | SHHPESGCRT VLRLHRALHW LQLFLEGLRT SPEDARTSAL CADSYNASLA AYHPWVVRRA VTVAFCTLPT REVFLEAMNV GPPEQAVQML GEALPFIQRV YNVSQKLYAE HSLLDLP Molecular weight: 26.8 kDa (237aa) confirmed by MALDI-TOF |
| Storage: | 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. |
| General Readings: | Simanshu D.K., et al. (2013) Nature 500:463-467. |

For research and in vitro use only. Not for diagnostic or therapeutic work. Material Safety Datasheets are available at www.acris-antibodies.com or on request. **Pictures:**



15% SDS-PAGE (3ug)

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