Datasheet for ABIN7560638

GDPD1 Protein (AA 1-314) (His tag)

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Overview

Quantity:	1 mg
Target:	GDPD1
Protein Characteristics:	AA 1-314
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This GDPD1 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat Gdpd1 Protein expressed in mammalien cells.
Sequence:	MSSTAAFCLL STLGGYLVTS FLLLKYPALL HQRKKQRFLS RHISHRGGAG ENLENTMAAF QHAVTIGTDM LELDCHITKD EQVVVSHDAN LKRSTGVNVN VSDLKYCELP PYLCKLDVPF QRACKCEGKD TRIPLLKEVF EAFPETPINI DIKVNNNVLI KKVSELVKQY KREHLTVWGN ANSEIVDKCY KENSDIPILF SLQRVLLILG LFFTGLLPFV PIREQFFEIP MPSIILKLKE PHTISKGHKF LIWLSDTLLM RKALFDHLTA RGIQVYVWVL NEEYEYKRAF DLGATGVMTD YPTKLKDFLN NFSA **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.**
Characteristics:	Key Benefits: • Made to order protein - from design to production - by highly experienced protein experts.

Product Details

- Protein expressed in mammalien 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, Western Blot
Grade:	custom-made

Target Details

Target:	GDPD1
Alternative Name:	Gdpd1 (GDPD1 Products)
Background:	Lysophospholipase D GDPD1 (EC 3.1.4.-) (Glycerophosphodiester phosphodiesterase 4) (Glycerophosphodiester phosphodiesterase domain-containing protein 1),FUNCTION: Hydrolyzes lysoglycerophospholipids to produce lysophosphatidic acid (LPA) and the corresponding amines (PubMed:25528375, PubMed:25596343, PubMed:27637550). Shows a preference for 1-O-alkyl-sn-glycero-3-phosphocholine (lyso-PAF), lysophosphatidylethanolamine (lyso-PE) and lysophosphatidylcholine (lyso-PC) (PubMed:25528375, PubMed:25596343, PubMed:27637550). May be involved in bioactive N-acylethanolamine biosynthesis from both N-acyl-lysoplasmenylethanolamin (N-acyl-lysoPlsEt) and N-acyl-lysophosphatidylethanolamin (N-acyl-lysoPE) (PubMed:25596343, PubMed:27637550). In addition, hydrolyzes glycerophospho-N-acylethanolamine to N-acylethanolamine (PubMed:25596343, PubMed:27637550). Does not display glycerophosphodiester phosphodiesterase activity, since it cannot hydrolyze either glycerophosphoinositol or glycerophosphocholine (PubMed:25528375). {ECO:0000269|PubMed:25528375, ECO:0000269|PubMed:25596343, ECO:0000269|PubMed:27637550}.
Molecular Weight:	35.9 kDa

Target Details

UniProt:	Q9CRY7

Application Details

Application Notes:	In addition to the applications listed above we expect the protein to work for functional studies as well. 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