Datasheet for ABIN7561666

GDE1 Protein (AA 1-331) (His tag)

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Overview

Quantity:	1 mg
Target:	GDE1
Protein Characteristics:	AA 1-331
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This GDE1 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat Gde1 Protein expressed in mammalien cells.
Sequence:	MWLWEDQGGL LGPFSFVLVL LLVVTRSPFN ACVLTGSLYI LLRFFSFEPV PSRRALQVLK PRDRVSAIAH RGGSHDAPEN TLAAIRQAAK NGATGVELDI EFTSDGVPVL MHDNTVDRTT DGSGRLCDLT FEQVRKLNPA ANHRLRNEFP DERIPTLKEA VTECLRHNLT IFFDVKGHAD MASAALKNIY TEFPQLYNNS MVCSFLPEVI YKMRQTDQKV ITALTHRPWS LSHTGDGKPR YSVFWKQSVF VVLDILLDWS MHNVLWYLCG ISAFLMQKDF VSPDYLKKWS AKGIQVVSWT VNTFDEKNYY ESHLGSSYIT DSMLEDCAPH F **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:

Product Details

- Made to order protein - from design to production - by highly experienced protein experts.
- 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:	GDE1
Alternative Name:	Gde1 (GDE1 Products)
Background:	Glycerophosphodiester phosphodiesterase 1 (Glycerophosphoinositol glycerophosphodiesterase GDE1) (EC 3.1.4.44) (Lysophospholipase D GDE1) (EC 3.1.4.-) (Membrane-interacting protein of RGS16),FUNCTION: Hydrolyzes the phosphodiester bond of glycerophosphodiesters such as glycerophosphoinositol (GroPIns) and glycerophosphoethanolamine (GroPEth), to yield a glycerol phosphate and an alcohol (PubMed:18227059, PubMed:21801852, PubMed:25596343). Hydrolyzes glycerophospho-N-acylethanolamines to N-acylethanolamines in the brain and participates in bioactive N-acylethanolamine biosynthesis such as anandamide (an endocannabinoid), N-palmitoylethanolamine (an anti-inflammatory), and N-oleoylethanolamine (an anorexic) (PubMed:18227059). In addition, has a lysophospholipase D activity by hydrolyzing N-acyl-lysoplasmenylethanolamine (N-acyl-lysoPlsEt) to N-acylethanolamine (PubMed:21801852, PubMed:25596343). However lysophospholipase D activity is lower than glycerophosphodiester phosphodiesterase activity (PubMed:21801852, PubMed:25596343). Has little or no activity towards glycerophosphocholine (By similarity).

Target Details

	{ECO:0000250|UniProtKB:Q9JL55, ECO:0000269|PubMed:18227059, ECO:0000269|PubMed:21801852, ECO:0000269|PubMed:25596343}.
Molecular Weight:	37.6 kDa
UniProt:	Q9JL56

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

