

Datasheet for ABIN7546165
SGPP2 Protein (AA 1-399) (His tag)



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Overview

Quantity:	1 mg
Target:	SGPP2
Protein Characteristics:	AA 1-399
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This SGPP2 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant SGPP2 Protein expressed in mammalian cells.
Sequence:	MAELLRSLQD SQLVARFQRR CGLFPAPDEG PRENGADPTE RAARVPGVEH LPAANGKGGE APANGLRRAA APEAYVQKYV VKNYFYYYLF QFSAALGQEV FYITFLPFTH WNIDPYLSRR LIIWVLMY IGQVAKDVLK WPRPSSPPVV KLEKRLIAEY GMPSTHAMAA TAI AFTLLIS TMDRYQYPFV LGLVMAVFS TLVCLSRLYT GMHTVLDVLG GVLITALLIV LTYPAWTFID CLDSASPLFP VCVIVPFFL CYNYPVSDYY SPTRADTTTI LAAGAGVTIG FWINHFFQLV SKPAESLPVI QNIPPLTTYM LVLGLTKFAV GIVLILLVRQ LVQNLSLQVL YSWFKVWTRN KEARRRLEIE VPYKFVITYS VGICATTFVP MLHRFLGLP 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.

Product Details

Characteristics:

Key Benefits:

- Made to order protein - from design to production - by highly experienced protein experts.
- 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:

SGPP2

Alternative Name:

SGPP2 ([SGPP2 Products](#))

Background:

Sphingosine-1-phosphate phosphatase 2 (SPPase2) (Spp2) (hSPP2) (EC 3.1.3.-) (Sphingosine-1-phosphatase 2),FUNCTION: Has specific phosphohydrolase activity towards sphingoid base 1-phosphates. Has high phosphohydrolase activity against dihydrosphingosine-1-phosphate and sphingosine-1-phosphate (S1P) in vitro (PubMed:12411432). Sphingosine-1-phosphate phosphatase activity is needed for efficient recycling of sphingosine into the sphingolipid synthesis pathway (By similarity). May play a role in attenuating intracellular sphingosine 1-phosphate (S1P) signaling. May play a role in pro-inflammatory signaling (PubMed:17113265). Plays a role in the regulation of pancreatic islet beta-cell endoplasmic reticulum stress and proliferation (By similarity). {ECO:0000250|UniProtKB:Q810K3, ECO:0000250|UniProtKB:Q9BX95, ECO:0000269|PubMed:12411432, ECO:0000269|PubMed:17113265, ECO:0000269|PubMed:31916624}.

Molecular Weight:

44.7 kDa

UniProt:

[Q8IWX5](#)

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
