

Datasheet for ABIN7550740
PPAP2C Protein (AA 1-288) (His tag)



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Overview

Quantity:	1 mg
Target:	PPAP2C
Protein Characteristics:	AA 1-288
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This PPAP2C protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant PLPP2 Protein expressed in mammalian cells.
Sequence:	<p>MQRRWVFVLL DVLCLLVASL PFAILTLVNA PYKRGFYCGD DSIRYPYRPD TITHGLMAGV TITATVILVS AGEAYLVYTD RLYSRSDFNN YVAAVYKVLG TFLFGAAVSQ SLTDLAKYMI GRLRPNFLAV CDPDWSRVNC SVYVQLEKVC RGNPADVTEA RLSFYSGHSS FGMVCMVFLA LYVQARLCWK WARLLRPTVQ FFLVAFALYV GYTRVSDYKH HWSVDLVGLL QGALVAALTV CYISDFFKAR PPQHCLKEEE LERKPSLSLT LTLGEADHNN YGYPHSSS Sequence without tag.</p> <p>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.</p>
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:

Product Details

- 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:	PPAP2C
Alternative Name:	PLPP2 (PPAP2C Products)
Background:	Phospholipid phosphatase 2 (EC 3.1.3.-) (EC 3.1.3.4) (Lipid phosphate phosphohydrolase 2) (PAP2-gamma) (PAP2-G) (Phosphatidate phosphohydrolase type 2c) (Phosphatidic acid phosphatase 2c) (PAP-2c) (PAP2c),FUNCTION: Magnesium-independent phospholipid phosphatase that catalyzes the dephosphorylation of a variety of glycerolipid and sphingolipid phosphate esters including phosphatidate/PA, lysophosphatidate/LPA, sphingosine 1-phosphate/S1P and ceramide 1-phosphate/C1P (PubMed:9705349, PubMed:9607309, PubMed:16467304). Has no apparent extracellular phosphatase activity and therefore most probably acts intracellularly (PubMed:16467304). Also acts on N-oleoyl ethanolamine phosphate/N-(9Z-octadecenoyl)-ethanolamine phosphate, a potential physiological compound (PubMed:9607309). Through dephosphorylation of these bioactive lipid mediators produces new bioactive compounds and may regulate signal transduction in different cellular processes (Probable). Indirectly regulates, for instance, cell cycle G1/S phase transition through its phospholipid phosphatase activity (By similarity). {ECO:0000250 UniProtKB:Q8K593, ECO:0000269 PubMed:16467304, ECO:0000269 PubMed:9607309,

Target Details

ECO:0000269|PubMed:9705349, ECO:0000305|PubMed:16467304}.

Molecular Weight: 32.6 kDa

UniProt: [O43688](#)

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
