

Datasheet for ABIN7560025
PPAPDC3 Protein (AA 1-271) (His tag)



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Overview

Quantity:	1 mg
Target:	PPAPDC3
Protein Characteristics:	AA 1-271
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This PPAPDC3 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant Plpp7 Protein expressed in mammalian cells.
Sequence:	MPASQSRARA RDRNNVLNRA EFLSLNQPPK GTQEPRSSGR KASGPSTQPP PSSDGARERR QSQQLPEEDC MQLNPSFKGI AFNSLLAIDI CMSKRLGVCA GRAASWASAR SMVKLIGITG HGIPWIGGTI LCLVRSSTLA GQEVLMNLLL ALLLDIMTVA GVQKLIKRRG PYETSPGLLD YLTMDIYAFP AGHASRAAMV SKFFLSHLVL AVPLRVLLVL WAFCVGLSRV MIGRHHITDV ISGFIIGYFQ FRLVELVWMS SNTCQMLISA W 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.
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)
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Grade:	custom-made
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Target Details

Target:	PPAPDC3
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Alternative Name:	Plpp7 (PPAPDC3 Products)
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Background:	Inactive phospholipid phosphatase 7 (Nuclear envelope transmembrane protein 39) (Phosphatidic acid phosphatase type 2 domain-containing protein 3),FUNCTION: Plays a role as negative regulator of myoblast differentiation, in part through effects on MTOR signaling. Has no detectable enzymatic activity. Knockdown in myoblasts strongly promotes differentiation, whereas overexpression represses myogenesis. {ECO:0000269 PubMed:19704009}.
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Molecular Weight:	29.7 kDa
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UniProt:	Q91WB2
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Pathways:	Regulation of Muscle Cell Differentiation, Skeletal Muscle Fiber Development
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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.
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Restrictions:	For Research Use only
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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