

Datasheet for ABIN7559856

## PAFAH2 Protein (AA 1-390) (His tag)



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### Overview

Quantity:	1 mg
Target:	PAFAH2
Protein Characteristics:	AA 1-390
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This PAFAH2 protein is labelled with His tag.

### Product Details

Purpose:	Custom-made recombinant Pafah2 Protein expressed in mammalian cells.
Sequence:	<p>MGAGQSVCFP PISGPHHIGC TDVMEGHSLE GSLFRLFYPC QASEKCEQPL WIPRYEYSMG          LADYLQYNKR WVGLLFNVGI GSCRLPVSWN GPFKAKESGY PLIILSHGLG GFRASYS AFC          MELASRGFVV AAVEHRDQSA AATYFCKPTS QESSPAESLE EEWLFPFRRK EGEKEFHVRN          PQVHQRVKEC VRVLRILQDA SAGKTVNVF PGGLDLMTLK GSIDRNRVAV MGHSFGGATA          VLALTQEVQF RCAIALDAWM FPLERDFYPK ARGPVFFINV EKQTVESVN LMKKICAQHE          QSRIVTVLGA VHRSQTDFAF VTGNLIAKFF SSNSRGTLDLP YESQEV MVRA ILAFLQKHLD          LKEDYDQWSS FIEGVGPSLI QGAPHYLSSL</p> <p><b>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.</b></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.

## 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: PAFAH2

Alternative Name: Pafah2 ([PAFAH2 Products](#))

Background: Platelet-activating factor acetylhydrolase 2, cytoplasmic (EC 3.1.1.47) (PAF:lysophospholipid transacetylase) (PAF:sphingosine transacetylase) (Platelet-activating factor acetyltransferase PAFAH2) (EC 2.3.1.149) (Serine-dependent phospholipase A2) (SD-PLA2),FUNCTION: Catalyzes the hydrolyze of the acetyl group at the sn-2 position of platelet-activating factor (PAF) and its analogs, leading to their inactivation (By similarity). Hydrolyzes propionyl and butyroyl moieties approximately half as effectively as PAF (By similarity). Also catalyzes transacetylation of the acetyl group from platelet-activating factor (PAF) to lysoplasmalogen and to sphingosine, producing plasmalogen analogs of PAF and N-acetylsphingosine (C2-ceramide) respectively. Has a marked selectivity for phospholipids with short acyl chains at the sn-2 position (By similarity). {ECO:0000250|UniProtKB:P79106, ECO:0000250|UniProtKB:P83006}.

Molecular Weight: 43.6 kDa

UniProt: [Q8VDG7](#)

## 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