

Datasheet for ABIN7559076

## PAOX Protein (AA 1-504) (His tag)



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### Overview

Quantity:	1 mg
Target:	PAOX
Protein Characteristics:	AA 1-504
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This PAOX protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB)

### Product Details

Purpose:	Custom-made recombinat Paox Protein expressed in mammalien cells.
Sequence:	<p>MAFPGPRVLV VGSGIAGLGA AQKLCSHRAA PHLRVLEATA SAGGRIRSER CFGGVVELGA  HWIHGPSQDN PVFQLAAEFG LLGEKELSEE NQLVDTGGHV ALPSMIWSSS GTSVSLELMT  EMARLFYGLI ERTREFLNES ETPMASVGEF LKKEISQQVA SWTEDDEDTR KRKLAILNTF  FNIECCVSGT HSMDLVALAP FGEYTVLPGL DCILAGGYQG LTDRILASLP KDTVAFDKPV  KTIHWNGSFQ EAAFPGETFP VLVECEDGAR LPAHHVIVTV PLGFLKEHQD TFFEPLPAK  KAEAIIKLGF GTNNKIFLEF EEPFWEPDCQ FIQVWEDTS PLQDTALSLQ DTWFKKLIGF  LVQPSFESSH VLCGFIAGLE SEFMETLSDE EVLLSLTQVL RRVGTGNPQLP AAKSVRRSQW  HSAPYTRGSY SYVAVGSTGD DLDLMAQPLP EDGTGTQLQV LFAGEATHRT FYSTTHGALL  SGWREADRLV SLWDSQVEQS RPRL</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>

## 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, Western Blot

### Grade:

custom-made

## Target Details

### Target:

PAOX

### Alternative Name:

Paox ([PAOX Products](#))

### Background:

Peroxisomal N(1)-acetyl-spermine/spermidine oxidase (EC 1.5.3.13) (Polyamine oxidase),FUNCTION: Flavoenzyme which catalyzes the oxidation of N(1)-acetylspermine to spermidine and is thus involved in the polyamine back-conversion (PubMed:12660232, PubMed:28029774). Can also oxidize N(1)-acetylspermidine to putrescine. Substrate specificity: N(1)-acetylspermine = N(1)-acetylspermidine > N(1),N(12)-diacetylspermine >> spermine. Does not oxidize spermidine. Plays an important role in the regulation of polyamine intracellular concentration and has the potential to act as a determinant of cellular sensitivity to the antitumor polyamine analogs (PubMed:12660232). {ECO:0000269|PubMed:12660232, ECO:0000269|PubMed:28029774}.

### Molecular Weight:

55.4 kDa

### UniProt:

[Q8C0L6](#)

## 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.
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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