

Datasheet for ABIN7560334

SMOX Protein (AA 1-555) (His tag)



[Go to Product page](#)

Overview

Quantity:	1 mg
Target:	SMOX
Protein Characteristics:	AA 1-555
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This SMOX protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB)

Product Details

Purpose:	Custom-made recombinat Smox Protein expressed in mammalian cells.
Sequence:	<p>MQSCESSGDS ADDPLSRGLR RRGQPRVVVI GAGLAGLAAA RALLEQGFTD VTVLEASSHI</p> <p>GGRVQSVRLG DTTFELGATW IHGSHGNPIY QLAEANGLLE ETTDGERSVG RISLYSKNGV</p> <p>ACYLTNRGCR IPKDVVEEFS DLYNEVYNMT QEFFRHGKPV NAESQNSVG VFTREKVRNRI</p> <p>RDDPDDTEAT KRLKLAMIQQ YLKVESCESS SHSIDEVSLS AFGEWTEIPG AHHIIPSGFM</p> <p>RVVELLAEGI PPHVIQLGKP VRCIHWDQAS AHPRGPEIEP RGEDHNNHDT GEGGQSGENP</p> <p>QQGRWDEDEP WPVVVECEDC EVIPADHVIV TVSLGVLKRQ YTSFFRPCLP TEKVAIIHRL</p> <p>GIGTTDKIFL EFEEPFWGPE CNSLQFVWED EAESCTLTYP PELWYRKICG FDLVLYPPERY</p> <p>GHVLSGWICG EEALVMERCD DEAVAEICTE MLRQFTGNPN IPKPRRILRS AWGSNPYFRG</p> <p>SYSYTQVGSS GADVEKLAKP LPYTESSKTA PMQVLFSGEA THRKYYSTTH GALLSGQREA</p> <p>ARLIEMYRDL FQQGP Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make</p>

another tag necessary. In case you have a special request, please contact us.

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:

SMOX

Alternative Name:

Smox ([SMOX Products](#))

Background:

Spermine oxidase (EC 1.5.3.16) (Polyamine oxidase 1) (PAO-1) (PAOh1),FUNCTION: Flavoenzyme which catalyzes the oxidation of spermine to spermidine. Can also use N(1)-acetylspermine and spermidine as substrates, with different affinity depending on the isoform (isozyme) and on the experimental conditions. 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. May contribute to beta-alanine production via aldehyde dehydrogenase conversion of 3-amino-propanal.

Molecular Weight:

61.9 kDa

UniProt:

[Q99K82](#)

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