

Datasheet for ABIN7546212  
**SMOX Protein (AA 1-555) (His tag)**



[Go to Product page](#)

## Overview

Quantity:	1 mg
Target:	SMOX
Protein Characteristics:	AA 1-555
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This SMOX protein is labelled with His tag.

## Product Details

Purpose:	Custom-made recombinant SMOX Protein expressed in mammalian cells.
Sequence:	<p>MQSCESSGDS ADDPLSRGLR RRGQPRVVVI GAGLAGLAAA KALLEQGFTD VTVLEASSHI GGRVQSVKLG HATFELGATW IHGSHGNPIY HLAEANGLLE ETTDGERSVG RISLYSKNGV ACYLTNHGRR IPKDVVEEFS DLYNEVYNLT QEFFRHDKPV NAESQNSVGV FTREEVRNRI RNDPDDPEAT KRLKLAMIQQ YLKVESCESS SHSMDEVSLS AFGEWTEIPG AHHIIPSGFM RVVELLAEGI PAHVIQLGKP VRCIHWDQAS ARPRGPEIEP RGEDHNHDT GEGGQGGEEP RGGRWDEDEQ WSWVVECEDC ELIPADHVIV TVSLGVLRKQ YTSFFRPLP TEKVAIIHRL GIGTTDKIFL EFEEPFWGPE CNSLQFVWED EAESHTLTYP PELWYRKICG FDLVYPPERY GHVLSGWICG EEALVMEKCD DEAVAEICTE MLRQFTGNPN IPKPRRILRS AWGSNPYFRG SYSYTVQVSS GADVEKLAKP LPYTESSKTA PMQVLFSGEA THRKYYSTTH GALLSGQREA ARLIEMYRDL FQQGT <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

---

**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:**

- 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:** 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:** 61.8 kDa

---

**UniProt:** [Q9NWM0](#)

---

## 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

---