

Recombinant Mouse SMOX Protein Product Manual

1. Product Basic Information

Product No.: REP08280

Protein Name: Spermine Oxidase (SMOX)

Aliases: PAO; SMO; PAO1; PAOH; PAO-PAOH1; C20orf16; spermine oxidase; polyamine oxidase flavin containing amine oxidase; flavin-containing spermine oxidase; putative cyclin G1 interacting protein

UniProt ID: Q9NWM0

UniProt Link: <https://www.uniprot.org/uniprotkb/Q9NWM0/entry>

Species Source: Mus musculus (Mouse)

Expression System: E.coli

Protein Length: Full Length (1-555aa)

Molecular Weight: 77.9kDa

Protein Tag: N-terminal 6xHis-SUMO-tagged

2. Amino Acid Sequence (1-555aa)

MQSCESSGDSADDPLSRGLRRRGQPRVVVIGAGLAGLAAARALLEQGFTDVTVLE
ASSHIGGRVQSVRLGDTTFELGATWIHGSHGNPIYQLAEANGLLEETTDGERSVGR
SLYSKNGVACYLTNRGCRIPKDVVEEFSDLYNEVYNMTQEFFRHGKPVNAESQNS
VGVFTREKVRNRIRDDPDDTEATKRLKLAMIQQYLKVESCESSSHSIDEVSLSAFGE
WTEIPGAHHIIPSGFMRVVELLAEGIPPHVIQLGKPVRCIHWDQASAHPRGPEIEPRG
EGDHNHDTGEGGQSGENPQQGRWDEDEPWPVVECEDCEVIPADHVIVTVSLGV
LKRQYTSFFRPCLPTEKVAAIHRLGIGTTDKIFLEFEFPFWGPECNSLQFVWEDEAE
SCTLTYPPELWYRKICGFDVLYPPERYPYGHVLSGWICGEEALVMERCDDDEAVAEICT
EMLRQFTGNPNIPKPRRILRSWGSNPYFRGSYSYTQVGSSGADVEKLAKPLPYTE
SSKTAPMQVLFSGEATHRKYYSTTHGALLSGQREARLIEMYRDLFQQGP

3. Storage Buffer

Liquid Delivery Form: Tris/PBS-based buffer with 5%-50% glycerol. Custom glycerol content is available upon customer request (please specify requirements when placing orders).



Enlibio Wuhan Enlibio Biotech Co.,Ltd Manuals version5.9

Lyophilized Powder Delivery Form: Pre-lyophilization buffer is Tris/PBS-based buffer containing 6% Trehalose.

4. Storage Conditions

Upon receipt, store the product at -20°C or -80°C. It is recommended to aliquot the protein for multiple uses to avoid repeated freeze-thaw cycles, which may cause protein denaturation and activity loss.

5. Product Description

This product is a recombinant Mouse SMOX full length protein (1-555aa) expressed in E.coli. The protein is with 6xHis-SUMO tag at the N-terminus, which facilitates protein purification, detection and identification. SMOX, also known as PAO or SMO or PAO1, is suitable for related in vitro functional assays, protein interaction studies, antibody preparation and other biomedical research applications.

6. Notes

- Repeated freezing and thawing of the product is strictly prohibited to ensure protein stability and biological activity.
- For special buffer component requirements, please submit a note when purchasing.
- This product is only for scientific research use, not for clinical diagnosis, treatment or commercial production purposes.