

Product datasheet for **TP508801**

Smox (NM_145533) Mouse Recombinant Protein

Product data:

Product Type: Recombinant Proteins
Description: Purified recombinant protein of Mouse spermine oxidase (Smox), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug

Species: Mouse

Expression Host: HEK293T

Expression cDNA Clone or AA Sequence: >MR208801 protein sequence
Red=Cloning site **Green**=Tags(s)

MQSCSSGDSADDPLSRGLRRRGQPRVWVIGAGLAGLAAARALLEQGFTDVTLEASSHIGGRVQSVRLG
DTTFELGATWIHGSHGNPIYQLAEANGLLEETTDGERSVGRISLYSKNGVACYLTNRGCRIPKDVVEEFS
DLYNEVYNMTQEFFRHGKPVNAESQNSVGVFTREKVRNRIRDDPDDTEATKRLKRAMIQYLVKVESCESS
SHSIDEVLSAFGEWTEIPGAHHIIPSGFMRVVELLAEGIPPHVIQLGKPVRCIHWDQASAHPRGPEIEP
RGEGDHNHDTGEGGQSGENPQQGRWDEDEPWVWVECEDCEVIPADHVIVTVSLGVLKRQYTSFFRPCLP
TEKVAAIHRLGIGTTDKIFLEFEEPFWGPECNSLQFVWEDEAESCTLTYPPELWYRKICGFDVLYPPER
YGHVLSGWICGEEALVMERCDDAEVAEICTEMLRQFTGNPNIPKPRRILRSWGSNPYFRGSYSYTVQVSS
GADVEKLAKPLPYTESSKTAPMQVLFSGEATHRKYYSTTHGALLSGQREARLIEMYRDLFQQGP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag: C-MYC/DDK

Predicted MW: 61.9 kDa

Concentration: >0.05 µg/µL as determined by microplate BCA method

Purity: > 80% as determined by SDS-PAGE and Coomassie blue staining

Buffer: 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol

Note: For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.

Storage: Store at -80°C after receiving vials.

Stability: Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.

RefSeq: [NP_663508](#)



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Locus ID:	228608
UniProt ID:	Q99K82 , Q3UPW5
RefSeq Size:	2190
Cytogenetics:	2 F1
RefSeq ORF:	1668
Synonyms:	B130066H01Rik; PAO; PAOh1; SMO
Summary:	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.[UniProtKB/Swiss-Prot Function]