Recombinant Mouse Spermine oxidase (Smox)

Product Code	CSB-MP021844MO
Abbreviation	Smox
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
Uniprot No.	Q99K82
Product Type	Recombinant Protein
Immunogen Species	Mus musculus (Mouse)
Purity	>85% (SDS-PAGE)
Sequence	MQSCESSGDS ADDPLSRGLR RRGQPRVVVI GAGLAGLAAA RALLEQGFTD VTVLEASSHI GGRVQSVRLG DTTFELGATW IHGSHGNPIY QLAEANGLLE ETTDGERSVG RISLYSKNGV ACYLTNRGCR IPKDVVEEFS DLYNEVYNMT QEFFRHGKPV NAESQNSVGV FTREKVRNRI RDDPDDTEAT KRLKLAMIQQ YLKVESCESS SHSIDEVSLS AFGEWTEIPG AHHIIPSGFM RVVELLAEGI PPHVIQLGKP VRCIHWDQAS AHPRGPEIEP RGEGDHNHDT GEGGQSGENP QQGRWDEDEP WPVVVECEDC EVIPADHVIV TVSLGVLKRQ YTSFFRPCLP TEKVAAIHRL GIGTTDKIFL EFEEPFWGPE CNSLQFVWED EAESCTLTYP PELWYRKICG FDVLYPPERY GHVLSGWICG EEALVMERCD DEAVAEICTE MLRQFTGNPN IPKPRRILRS AWGSNPYFRG SYSYTQVGSS GADVEKLAKP LPYTESSKTA PMQVLFSGEA THRKYYSTTH GALLSGQREA ARLIEMYRDL FQQGP
Source	Mammalian cell
Target Names	Smox
Protein Names	Recommended name: Spermine oxidase EC= 1.5.3.16 Alternative name(s): Polyamine oxidase 1 Short name= PAO-1 Short name= PAOh1
Expression Region	1-555
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	full length protein
Target Details	The product of this gene is the polyamine oxidase. This enzyme potentially represents a new class of catabolic enzymes in the mammalian polyamine metabolic pathway capable of the efficient oxidation of polyamines. More than five transcript variants encoding four active isoenzymes have been identified for this gene, however, not all variants have been fully described. The characterized isoenzymes have distinctive biochemical characteristics and substrate specificities, suggesting the existence of additional levels of complexity in polyamine catabolism.

Reconstitution	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL.We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.
Shelf Life	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.