



Recombinant Human Spermine oxidase (SMOX)

Product Code	CSB-MP021844HU
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.	Q9NWM0
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	>85% (SDS-PAGE)
Sequence	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 RGEGDHNDHT GEGGQGGEEP RGGRWDEDEQ WSVVVECEDC ELIPADHVIV TVSLGVLKRQ YTSFFRPGLP TEKVAIHRL GIGTTDKIFL EFEEPFWGPE CNSLQFVWED EAESHTLTYP PELWYRKICG FVDLYPPER Y GHVLSGWICG EEALVMEKCD DEAVAEICTE MLRQFTGNPN IPKPRILRS AWGSNPYFRG SYSYTVQVSS GADVEKLAKP LPYTESSKTA PMQVLFSGEA THRYKYSTTH GALLSGQREA ARLIEMYRDL FQQGT
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

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