Recombinant Mouse SMOX Protein (1-555 aa), His-SUMO-tagged

Cat. No. SMOX-816M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse SMOX Protein (1-555 aa) is produced by E. coli expression system. This protein is fused with a 6xHis-SUMO tag at the N-terminal. Protein Description: Full Length.
Species	Mouse
Source	E.coli
ProteinLength	1-555 aa
Description	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.
Form	Tris-based buffer, 50% glycerol
Molecular Mass	77.9 kDa
AA Sequence	MQSCESSGDSADDPLSRGLRRRGQPRVVVIGAGLAGLAAARALLEQGFTDVTVLEA SSHIGGRVQSVRLGDTTFELGATWIHGSHGNPIYQLAEANGLLEETTDGERSVGRIS

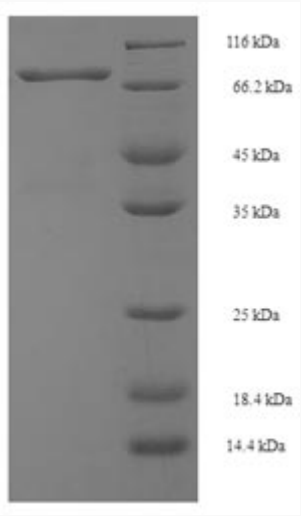
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Email: info@creative-biomart.com Fax: 1-631-938-8127
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	LYSKNGVACYLTNRGCRIPKDVVEEFSDLYNEVYNMTQEFFRHGKPVNAESQNSVG VFTREKVRNRIRDDPDDTEATKRLKLAMIQQYLKVESCESSSHSIDEVSLSAFGEWT EIPGAHHIIPSGFMRVVELLAEGIPPHVIQLGKPVRCIHWDQASAHPRGPEIEPRGEG DHNHDTGEGGQSGENPQQGRWDEDEPWPVVVECEDCEVIPADHVIVTVSLGVLKR QYTSFFRPCLPTEKVAAIHRLGIGTTDKIFLEFEEPFWGPECNSLQFVWEDEAESCTL TYPPELWYRKICGFDVLYPPERYGHVLSGWICGEEALVMERCDDEAVAEICTEMLR QFTGNPNIPKPRRILRSAWGSNPYFRGSYSYTQVGSSGADVEKLAKPLPYTESSKT APMQVLFSGEATHRKYYSTTHGALLSGQREAARLIEMYRDLFQQGP
Purity	> 90% as determined by SDS-PAGE.
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4 centigrade for up to one week.
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 centigrade/-80 centigrade. The shelf life of lyophilized form is 12 months at -20 centigrade/-80 centigrade.
Concentration	A hardcopy of COA with concentration instruction is sent along with the products.

GENE INFORMATION

UniProt ID	Q99K82

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(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

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