

Full-Length

SMOX (Human) Recombinant Protein (P01)

Catalog # H00054498-P01

Size 50 ug

Specification

Product Description	Human SMOX full-length ORF (BAA91360.1, 1 a.a. - 555 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	MQSCSSGDSADDPLSRGLRRRGQPRVVVIGAGLAGLAAAKALLEQGFTDVTVLEASSHIGGRV QSVKLGHATFELGATWIGHGSHGNPYHLAEANGLLEETTDGERSVGRISLYSKNGVACYLTNHGRRRI PKDVVEEFSDLYNEVYNLTQEFFRHDKPVNAESQNSVGVTREEVRNRIRNDPDDPEATKRLKL AMIQQYLKVESCESSSHSMDEVLSAFGEWTEIPGAHHIIPSGFMRVVELLAEGIPAHVIQLGKPV RCIHWDQASARPRGPEIEPRGEGDHNHDTGEGGQGGEPRGGRWDEDEQWSVVVECEDCELI PADHVMTVSLGVLKRQYTSFFRPGLPTEKVAAIHLRGIGTTDKIFLEFEFPFWGPECNSLQFVWE DEAESHTLTYPPELWYRKICGFDVLYPPERYPYGHVLSGWICGEEALVMEKCDDEAVAEICTEMLRQ FTGNPNIPKPRRILRSAWGSNPYFRGSYSYTQVGSSGADVEKLAKPLPYTESSKTAPMQVLFSGE ATHRKYYSTTHGALLSGQREARLIEMYRDLFQQGT
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	88.2
Interspecies Antigen Sequence	Mouse (87); Rat (87)
Preparation Method	in vitro wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay

- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — SMOX

Entrez GeneID [54498](#)

GeneBank Accession# [AK000753.1](#)

Protein Accession# [BAA91360.1](#)

Gene Name SMOX

Gene Alias C20orf16, FLJ20746, MGC1010, PAO, PAOh1, SMO, dJ779E11.1

Gene Description spermine oxidase

Gene Ontology [Hyperlink](#)

Gene Summary 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. [provided by RefSeq]

Other Designations OTTHUMP00000030155|OTTHUMP00000030157|OTTHUMP00000030158|flavin containing amine oxidase|flavin-containing spermine oxidase|polyamine oxidase|putative cyclin G1 interacting protein

Disease

- [Tobacco Use Disorder](#)