



Recombinant Rat Protein-lysine 6-oxidase (Lox)

Product Code	CSB-BP013038RA
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	P16636
Product Type	Recombinant Protein
Immunogen Species	Rattus norvegicus (Rat)
Purity	≥85% (SDS-PAGE)
Sequence	DDPYNPYK YSDDNPYYNY YDTYERPRSG SRHRPGYGTG YFQYGLPDLV PDPYYIQAST YVQKMSMYNL RCAAEEENCLA SSAYRADVRD YDHRVLLRFP QRVKNQGTSD FLPSRPRYSW EWHSCHQHYH SMDEFSHYDL LDASTQRRVA EGHKASFCLE DTSCDYGYHR RFACTAHTQG LSPGCYDTYA ADIDCQWIDI TDVQPGNYIL KSVNPSYLV PESDYSNNVV RCEIRYTGHH AYASGCTISP Y
Source	Baculovirus
Target Names	Lox
Protein Names	Recommended name: Protein-lysine 6-oxidase EC= 1.4.3.13 Alternative name(s): Lysyl oxidase
Expression Region	163-411
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 of Mature Protein
Target Details	This protein is an extracellular copper enzyme that initiates the crosslinking of collagens and elastin. The enzyme catalyzes oxidative deamination of the epsilon-amino group in certain lysine and hydroxylysine residues of collagens and lysine residues of elastin. In addition to crosslinking extracellular matrix proteins, the encoded protein may have a role in tumor suppression.
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.