Uricase (UOX) Mouse Recombinant Protein

PRODUCT OVERVIEW

Product Name	Uricase (Uox), Recombinant Protein
Full Product Name	Recombinant Mouse Uricase (Uox)
Product Gene Name	Uox recombinant protein
Sequence	AHYHDNYGKN DEVEFVRTGY GKDMVKVLHI QRDGKYHSIK EVATSVQLTL RSKKDYLHGD NSDIIPTDTI KNTVHVLAKL RGIRNIETFA MNICEHFLSS FNHVTRAHVY VEEVPWKRFE KNGIKHVHAF IHTPTGTHFC EVEQMRNGPP VIHSGIKDLK VLKTTQSGFE GFLKDQFTTL PEVKDRCFAT QVYCKWRYQR RDVDFEAIWG AVRDIVLQKF AGPYDKGEYS PSVQKTLYDI QVLSLSQLPE IEDMEISLPN IHYFNIDMSK MGLINKEEVL LPLDNPYGKI TGTVKRKLPS RL
Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE. (lot specific)
Preparation and Storage	Store at -20 degrees C. For long-term storage, store at -20 degrees C or -80 degrees C. Store working aliquots at 4 degrees C for up to one week. Repeated freezing and thawing is not recommended.
Molecular Weight	35,039 Da
Sequence Positions	2-303aa; Full Length of Mature Protein
Tag Information	This protein contains an N-terminal tag and may also contain a C-terminal tag. Tag types are determined by various factors including tag-protein stability, please inquire for tag information.
Sterility	Sterile filter available upon request.
Endotoxin	Low endotoxin available upon request.
3D Structure	ModBase 3D Structure for P25688
Species	Mouse
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for Uox recombinant protein	Urate oxidase is an enzyme that catalyzes the oxidation of uric acid to allantoin. This gene has been inactivated by mutation and is nonfunctional in humans and some other primates.
Other Notes	Small volumes of Uox recombinant protein vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for Uox purchase	MBS717973 is a recombinant protein targeting Uox. Also known as Recombinant Mouse Uricase (Uox). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for Uox. It may not necessarily be applicable to this product.

NCBI GI #	6678509
NCBI GeneID	22262
NCBI Accession #	NP_033500.1
UniProt Primary Accession #	P25688

UniProt Related Accession #	P25688
GenBank Nucleotide #	NM_009474.5
NCBI Official Full Name	uricase
NCBI Official Synonym Full Names	urate oxidase
NCBI Official Symbol	Uox
NCBI Official Synonym Symbols	AI663847
UniProt Protein Name	Uricase
UniProt Synonym Protein Names	Urate oxidase
UniProt Gene Name	Uox
NCBI Protein Information	uricase
UniProt Comments for Uox	Catalyzes the oxidation of uric acid to 5-hydroxyisourate, which is further processed to form (S)-allantoin.
Research Articles on Uox	**1.** Urat1-Uox double knockout mice are a suitable animal model for renal hypouricemia.
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