Ubiquitin-Like Modifier-Activating Enzyme 6 (UBA6) Mouse Recombinant Protein

PRODUCT OVERVIEW

Product Name	Ubiquitin-like modifier-activating enzyme 6 (Uba6), Recombinant Protein
Full Product Name	Recombinant Mouse Ubiquitin-like modifier-activating enzyme 6 (Uba6) , partial
Product Gene Name	Uba6 recombinant protein
Product Synonym Gene Name	Uba6
Sequence	PRGDRYDAIR ACIGNTLCQK LQNLNIFLVG CGAIGCEMLK NFALLGVGTG REKGMVTVTD PDLIEKSNLN RQFLFRPHHI QKPKSYTAAE ATLKINPQLK IDAHLNKVCP ATESIYSDEF YTKQDIIITA LDNVEARRYV DSRCLANLRP LLDSGTMGTK GHTEIIVPQL TESYNSHRDP PEEEIPFCTL KSFPAAIEHT IQWARDKFES SFSHKPSLFN KFWQAYPSAE DVLQKIQNGQ SLEGCFQVIK LLSRRPRIWS QCVELARLKF EKYFNHKALQ LLHCFPLETR LKDGSLFWQS PKRPPSPIKF DLNEPLHLSF LQSAAKLYAT VYCIPFSEKD LSVNSLMDIL SEVKIEEFKP SNKVVQTDET ARKPDHVPVS SEDERNAVFQ LEEALSSNKA TKSDLQMTVL SFEKDDDRNG HIDFITAASN LRAKMYSIEP ADRFKTKRIA
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	117,966 Da
Sequence Positions	438-887. Partial
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 Q8C7R4
Species	Mouse
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for Uba6 recombinant protein	MBS1425133 is a recombinant protein targeting Uba6. Also known as Recombinant Mouse Ubiquitin-like modifier-activating enzyme 6 (Uba6) , partial. Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of Uba6 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.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for Uba6. It may not necessarily be applicable to this product.

NCBI GI #	27370032
NCBI GeneID	231380
NCBI Accession #	NP_766300.1
UniProt Primary Accession #	Q8C7R4

UniProt Related Accession #	Q8C7R4
GenBank Nucleotide #	NM_172712.2
NCBI Official Full Name	ubiquitin-like modifier-activating enzyme 6
NCBI Official Synonym Full Names	ubiquitin-like modifier activating enzyme 6
NCBI Official Symbol	Uba6
NCBI Official Synonym Symbols	E1-L2; Ube1l2; AU021846; AW124799; 4930542H01; 5730469D23Rik
UniProt Protein Name	Ubiquitin-like modifier-activating enzyme 6
UniProt Synonym Protein Names	Ubiquitin-activating enzyme E1-like protein 2; E1-L2
Protein Family	Ubiquitin-like modifier-activating enzyme
UniProt Gene Name	Uba6
UniProt Synonym Gene Names	Ube1l2; Ubiquitin-activating enzyme 6; E1-L2
NCBI Protein Information	ubiquitin-like modifier-activating enzyme 6
UniProt Comments for Uba6	Activates ubiquitin by first adenylating its C-terminal glycine residue with ATP, and thereafter linking this residue to the side chain of a cysteine residue in E1, yielding a ubiquitin-E1 thioester and free AMP. Specific for ubiquitin, does not activate ubiquitin-like peptides. Differs from UBE1 in its specificity for substrate E2 charging. Does not charge cell cycle E2s, such as CDC34 (). Essential for embryonic development. Required for UBD/FAT10 conjugation.
Research Articles on Uba6	**1.** Uba6 and Use1 promote proteasomal turnover of Ube3a in mouse embryo fibroblasts (MEFs) and catalyze Ube3a ubiquitylation in vitro.
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