Ubiquitin-Conjugating Enzyme E2 E3 (UBE2E3) Bovine Recombinant Protein

PRODUCT OVERVIEW

Product Name	Ubiquitin-conjugating enzyme E2 E3 (UBE2E3), Recombinant Protein
Full Product Name	Recombinant Bovine Ubiquitin-conjugating enzyme E2 E3 (UBE2E3)
Product Gene Name	UBE2E3 recombinant protein
Product Synonym Gene Name	UBE2E3
Sequence	SSDRQRSDDE SPSTSSGSSD ADQRDPAAPE PEEQEERKPS ATQQKKNTKL SSKTTAKLST SAKRIQKELA EITLDPPPNC SAGPKGDNIY EWRSTILGPP GSVYEGGVFF LDITFSSDYP FKPPKVTFRT RIYHCNINSQ GVICLDILKD NWSPALTISK VLLSICSLLT DCNPADPLVG SIATQYLTNR AEHDRIARQW TKRYAT
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	22,913 Da
Sequence Positions	2-207, full length 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 Q2T9X7
Species	Bovine
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for UBE2E3 recombinant protein	The modification of proteins with ubiquitin is an important cellular mechanism for targeting abnormal or short-lived proteins for degradation. Ubiquitination involves at least three classes of enzymes: ubiquitin-activating enzymes, or E1s, ubiquitin-conjugating enzymes, or E2s, and ubiquitin-protein ligases, or E3s. This gene encodes a member of the E2 ubiquitin-conjugating enzyme family. The encoded protein shares 100% sequence identity with the mouse and rat counterparts, which indicates that this enzyme is highly conserved in eukaryotes. Two alternatively spliced transcript variants encoding the same protein have been found for this gene.
Other Notes	Small volumes of UBE2E3 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 UBE2E3 purchase	MBS1471693 is a recombinant protein targeting UBE2E3. Also known as Recombinant Bovine Ubiquitin-conjugating enzyme E2 E3 (UBE2E3). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for UBE2E3. It may not necessarily be applicable to this product.

NCBI GI #	119331212

NCBI GeneID	534349
NCBI Accession #	NP_001073251.1
UniProt Primary Accession #	Q2T9X7
UniProt Related Accession #	Q2T9X7
GenBank Nucleotide #	NM_001079783.1
NCBI Official Full Name	ubiquitin-conjugating enzyme E2 E3
NCBI Official Symbol	UBE2E3
UniProt Protein Name	Ubiquitin-conjugating enzyme E2 E3
UniProt Synonym Protein Names	E2 ubiquitin-conjugating enzyme E3; Ubiquitin carrier protein E3; Ubiquitin-protein ligase E3
Protein Family	Ubiquitin-conjugating enzyme
UniProt Gene Name	UBE2E3
NCBI Protein Information	ubiquitin-conjugating enzyme E2 E3
UniProt Comments for UBE2E3	Accepts ubiquitin from the E1 complex and catalyzes its covalent attachment to other proteins. In vitro catalyzes 'Lys-11'- and 'Lys-48'-, as well as 'Lys-63'-linked polyubiquitination. Participates in the regulation of transepithelial sodium transport in renal cells. May be involved in cell growth arrest.
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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