Polyubiquitin 3 (UBQ3) Oryza Sativa Subsp. Japonica Recombinant Protein

PRODUCT OVERVIEW

Product Name	Polyubiquitin 3 (UBQ3), Recombinant Protein
Full Product Name	Recombinant Oryza sativa subsp. japonica Polyubiquitin 3 (UBQ3)
Product Gene Name	UBQ3 recombinant protein
Product Synonym Gene Name	UBQ3
Sequence	MQIFVKTLTG KTITLEVEFS DTIDNVKAKI QDKEGIPPDQ QRLIFAGKQL EDGRTLADYN IQKESTLHLV LRLRGG
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	42,725 Da
Sequence Positions	1-76, 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 Q58G87
Species	Oryza sativa subsp. japonica (Rice)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for UBQ3 recombinant protein	MBS1283711 is a recombinant protein targeting UBQ3. Also known as Recombinant Oryza sativa subsp. japonica Polyubiquitin 3 (UBQ3). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of UBQ3 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 UBQ3. It may not necessarily be applicable to this product.

NCBI GI #	1002263317
NCBI GeneID	4337080
NCBI Accession #	XP_015636008.1
UniProt Primary Accession #	Q58G87
UniProt Secondary Accession #	O82079; P03993; P69321; Q652Q2; Q67UR4; Q69P70; Q6ATC2; Q7XN78; Q8S5Y3; Q9AR09; A3AXN2
UniProt Related Accession #	Q58G87
GenBank Nucleotide #	XM_015780522.1

NCBI Official Full Name	polyubiquitin 3
NCBI Official Symbol	LOC4337080
NCBI Official Synonym Symbols	UBQ3; rubi3
UniProt Protein Name	Polyubiquitin 3
Protein Family	Polyubiquitin
UniProt Gene Name	UBQ3
UniProt Synonym Gene Names	RUBI3
NCBI Protein Information	polyubiquitin 3
UniProt Comments for UBQ3	Ubiquitin exists either covalently attached to another protein, or free (unanchored). When covalently bound, it is conjugated to target proteins via an isopeptide bond either as a monomer (monoubiquitin), a polymer linked via different Lys residues of the ubiquitin (polyubiquitin chains) or a linear polymer linked via the initiator Met of the ubiquitin (linear polyubiquitin chains). Polyubiquitin chains, when attached to a target protein, have different functions depending on the Lys residue of the ubiquitin that is linked: Lys-48-linked is involved in protein degradation via the proteasome; Lys-63-linked is involved in endocytosis, and DNA-damage responses. Linear polymer chains formed via attachment by the initiator Met lead to cell signaling. Ubiquitin is usually conjugated to Lys residues of target proteins, however, in rare cases, conjugation to Cys or Ser residues has been observed. When polyubiquitin is free (unanchored-polyubiquitin), it also has distinct roles, such as in activation of protein kinases, and in signaling ().
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