Ubiquitin-Conjugating Enzyme E2 Variant 1 (UBE2V1) Pongo Abelii Recombinant Protein

PRODUCT OVERVIEW

Product Name	Ubiquitin-conjugating enzyme E2 variant 1 (UBE2V1), Recombinant Protein
Full Product Name	Recombinant Pongo abelii Ubiquitin-conjugating enzyme E2 variant 1 (UBE2V1)
Product Gene Name	UBE2V1 recombinant protein
Product Synonym Gene Name	UBE2V1
Sequence	AATMGSGVKV PRNFRLLEEL EEGQKGVGDG TVSWGLEDDE DMTLTRWTGM IIGPPRTIYE NRIYSLKIEC GPKCPEAPPF VRFVTKINMN GVNSSNGVVD PRAISVLAKW QNSYSIKVVL QELRRLMMSK ENMKLPQPPE GQCYSN
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	16,465 Da
Sequence Positions	2-147, 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 Q5R4Z6
Species	Pongo abelii (Sumatran orangutan)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for UBE2V1 recombinant protein	MBS1329171 is a recombinant protein targeting UBE2V1. Also known as Recombinant Pongo abelii Ubiquitin-conjugating enzyme E2 variant 1 (UBE2V1). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of UBE2V1 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 UBE2V1. It may not necessarily be applicable to this product.

NCBI GI #	75070454
NCBI Accession #	Q5R4Z6.1
UniProt Primary Accession #	Q5R4Z6
NCBI Official Full Name	Ubiquitin-conjugating enzyme E2 variant 1
UniProt Protein Name	Ubiquitin-conjugating enzyme E2 variant 1

UniProt Gene Name	UBE2V1
UniProt Synonym Gene Names	UEV-1
UniProt Comments for UBE2V1	Has no ubiquitin ligase activity on its own. The UBE2V1-UBE2N heterodimer catalyzes the synthesis of non-canonical poly-ubiquitin chains that are linked through 'Lys-63'. This type of poly-ubiquitination activates IKK and does not seem to involve protein degradation by the proteasome. Plays a role in the activation of NF-kappa-B mediated by IL1B, TNF, TRAF6 and TRAF2. Mediates transcriptional activation of target genes. Plays a role in the control of progress through the cell cycle and differentiation. Plays a role in the error-free DNA repair pathway and contributes to the survival of cells after DNA damage (). Promotes TRIM5 capsid-specific restriction activity and the UBE2V1-UBE2N heterodimer acts in concert with TRIM5 to generate 'Lys-63'-linked polyubiquitin chains which activate the MAP3K7/TAK1 complex which in turn results in the induction and expression of NF-kappa-B and MAPK-responsive inflammatory genes ().
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