SUMO-Activating Enzyme Subunit Uba-2 (uba-2) Caenorhabditis Elegans Recombinant Protein

PRODUCT OVERVIEW

Product Name	SUMO-activating enzyme subunit uba-2 (uba-2), Recombinant Protein
Full Product Name	Recombinant Caenorhabditis elegans SUMO-activating enzyme subunit uba-2 (uba-2), partial
Product Gene Name	uba-2 recombinant protein
Product Synonym Gene Name	uba-2
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	64,826 Da
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 Q9NAN1
Species	Caenorhabditis elegans
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for uba-2 recombinant protein	MBS1385534 is a recombinant protein targeting uba-2. Also known as Recombinant Caenorhabditis elegans SUMO-activating enzyme subunit uba-2 (uba-2), partial. Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of uba-2 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 uba-2. It may not necessarily be applicable to this product.

NCBI GI #	808354511
NCBI GeneID	24104970
NCBI Accession #	NP_001293154.1
UniProt Primary Accession #	Q9NAN1
UniProt Related Accession #	Q9NAN1
GenBank Nucleotide #	NM_001306225.1
NCBI Official Full Name	SUMO-activating enzyme subunit uba-2
NCBI Official Symbol	uba-2

UniProt Protein Name	SUMO-activating enzyme subunit uba-2
Protein Family	SUMO-activating enzyme
UniProt Gene Name	uba-2
NCBI Protein Information	SUMO-activating enzyme subunit uba-2
UniProt Comments for uba-2	The dimeric enzyme acts as an E1 ligase for smo-1. It mediates ATP-dependent activation of smo-1 and formation of a thioester with a conserved cysteine residue on uba-2 (Probable).
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