NEDD8-Activating Enzyme E1 Regulatory Subunit (ULA1) Saccharomyces Cerevisiae Recombinant Protein

PRODUCT OVERVIEW

Product Name	NEDD8-activating enzyme E1 regulatory subunit (ULA1), Recombinant Protein
Full Product Name	Recombinant Saccharomyces cerevisiae NEDD8-activating enzyme E1 regulatory subunit (ULA1)
Product Gene Name	ULA1 recombinant protein
Product Synonym Gene Name	ULA1
Sequence	MERYDRQLRL WGALGQDSLN RSRVCVVGPA TPLLQEVFKN LVLAGISSLT WLKVECAVQS GSLFLAELKK DLEPLASKQL EYEENDLRKT LQQPQYDWTR FSVVILTCIG EQTAMLDLNE IRRQRGTKFP PVLNTFVSGF YGYIYLVLSE THFVLQAHPD SKKYDLRLQN PWPELINYVD TFDLSKMDTA TFSGIPYTVL LMKCIAKLER DGNNGRITID QMKKVLDQIC LPLGNDVIYE PNYVEAKRYA YLACSQNDCC KELEDLLRNL EISDYGNDWH DTYNYEILTL LLTLKNIAKE NGELSFQPLT GTLPDMESTT ENYIRLKKLY EVKAKLDKSR VEESLARSKK IVSQDVLETF CSHYGEVRKI LPPKSDLLGI FSTSNALLDA LVMVQFWEQP AVTAEDKDEF IGLRVDDNYS VMAFFGGAVV QEAIKLITHH YVPIDNLFLY NGINNSSATY KI
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	52,853 Da
Sequence Positions	1-462, 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 Q12059
Species	Saccharomyces cerevisiae (strain 204508 / S288c) (Baker's yeast)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for ULA1 recombinant protein	MBS1406520 is a recombinant protein targeting ULA1. Also known as Recombinant Saccharomyces cerevisiae NEDD8-activating enzyme E1 regulatory subunit (ULA1). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of ULA1 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 ULA1. It may not necessarily be applicable to this product.

NCBI GI #	6325254
NCBI GeneID	856104
NCBI Accession #	NP_015322.1

UniProt Primary Accession #	Q12059
UniProt Secondary Accession #	D6W409
UniProt Related Accession #	Q12059
GenBank Nucleotide #	NM_001183817.1
NCBI Official Full Name	Ula1p
NCBI Official Symbol	ULA1
NCBI Official Synonym Symbols	ENR2
UniProt Protein Name	NEDD8-activating enzyme E1 regulatory subunit
UniProt Synonym Protein Names	E1 N-terminus-related protein 2; Ubiquitin-activating enzyme E1-like 1; Ubiquitin-like activation protein 1
UniProt Gene Name	ULA1
UniProt Synonym Gene Names	ENR2
NCBI Protein Information	Ula1p
UniProt Comments for ULA1	Regulatory subunit of the dimeric UBA3-ULA1 E1 enzyme. E1 activates NEDD8/RUB1 by first adenylating its C-terminal glycine residue with ATP, thereafter linking this residue to the side chain of the catalytic cysteine, yielding a NEDD8-UBA3 thioester and free AMP. E1 finally transfers NEDD8 to the catalytic cysteine of UBC12.
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