Probable Proteasome Subunit Beta Type-7 (PUP1) Encephalitozoon Cuniculi Recombinant Protein

PRODUCT OVERVIEW

Product Name	Probable proteasome subunit beta type-7 (PUP1), Recombinant Protein
Full Product Name	Recombinant Encephalitozoon cuniculi Probable proteasome subunit beta type-7 (PUP1)
Product Gene Name	PUP1 recombinant protein
Product Synonym Gene Name	PUP1
Sequence	TTIVGMKYKT GVILAADTRS TQGPVVSDKN CVKIHQITDK IMCCGAGTAA DASRVARMAS RELRLFQNKY LRLPLVSHFR KVCTQHLHKY GGGIGAALIV GGIDSEGCHL YEIHPHGSEN SALFVSLGSG SLGAIATLES RYRAMDKDEA IDLACDAVKA GILNDLYSGS NIDVCVIDYS GVEFLRNYRR IGVSENTDTL VYPLDSVRIK REEVFDIVEE Y
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	24,766 Da
Sequence Positions	7-227, 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 Q8SQN7
Species	Encephalitozoon cuniculi (strain GB-M1) (Microsporidian parasite)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for PUP1 recombinant protein	MBS1336457 is a recombinant protein targeting PUP1. Also known as Recombinant Encephalitozoon cuniculi Probable proteasome subunit beta type-7 (PUP1). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of PUP1 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 PUP1. It may not necessarily be applicable to this product.

NCBI GI #	85014261
NCBI GeneID	860411
NCBI Accession #	XP_955626.1
UniProt Primary Accession #	Q8SQN7

UniProt Related Accession #	Q8SQN7
GenBank Nucleotide #	XM_950533.1
NCBI Official Full Name	proteasome subunit beta
NCBI Official Symbol	ECU09_0720
UniProt Protein Name	Probable proteasome subunit beta type-2
UniProt Synonym Protein Names	26S proteasome beta-type subunit PUP1; Multicatalytic endopeptidase complex subunit PUP1
Protein Family	Probable proteasome
UniProt Gene Name	PUP1
NCBI Protein Information	proteasome subunit beta
UniProt Comments for PUP1	The proteasome degrades poly-ubiquitinated proteins in the cytoplasm and in the nucleus. It is essential for the regulated turnover of proteins and for the removal of misfolded proteins. The proteasome is a multicatalytic proteinase complex that is characterized by its ability to cleave peptides with Arg, Phe, Tyr, Leu, and Glu adjacent to the leaving group at neutral or slightly basic pH. It has an ATP-dependent proteolytic activity ().
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