Probable Proteasome Subunit Alpha Type-5 (Spac323.02c) (SPAC323.02c) Schizosaccharomyces Pombe Recombinant Protein

PRODUCT OVERVIEW

Product Name	Probable proteasome subunit alpha type-5 (SPAC323.02c), Recombinant Protein
Full Product Name	Recombinant Schizosaccharomyces pombe Probable proteasome subunit alpha type-5 (SPAC323.02c)
Product Gene Name	SPAC323.02c recombinant protein
Product Synonym Gene Name	SPAC323.02c
Sequence	MFMTRSEYDR GVNTFSPEGR LFQVEYAIEA IKLGSTAIGV KTKDAVVLGV EKRLTSPLME SHSVEKLFEI DSHIGCAISG LTADARTIIE HARVQTQNHR FTYDEPQGIE STTQSICDLA LRFGEGEDGE ERIMSRPFGV ALLIAGIDEH GPQLYHSEPS GTYFRYEAKA IGSGSEPAKS ELVKEFHKDM TLEEAEVLIL KVLRQVMEEK LDSKNVQLAK VTAEGGFHIY NDEEMADAVA REQQRMD
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	27,573 Da
Sequence Positions	1-247, Full length
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 Q9UT97
Species	Schizosaccharomyces pombe (strain 972 / 24843) (Fission yeast)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for SPAC323.02c recombinant protein	MBS1375794 is a recombinant protein targeting SPAC323.02c. Also known as Recombinant Schizosaccharomyces pombe Probable proteasome subunit alpha type-5 (SPAC323.02c). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of SPAC323.02c 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 SPAC323.02c. It may not necessarily be applicable to this product.

NCBI GI #	19115284
NCBI GeneID	2543205
NCBI Accession #	NP_594372.1

UniProt Primary Accession #	Q9UT97
GenBank Nucleotide #	NM_001019793.2
NCBI Official Full Name	20S proteasome component alpha 5, Pup2 (predicted)
NCBI Official Symbol	pup2
UniProt Protein Name	Probable proteasome subunit alpha type-5
UniProt Gene Name	pup2
NCBI Protein Information	20S proteasome component alpha 5, Pup2 (predicted)
UniProt Comments for SPAC323.02c	The proteasome is a multicatalytic proteinase complex which 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. The proteasome has an ATP-dependent proteolytic activity ().
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