Coatomer Subunit Zeta (RET3) Saccharomyces Cerevisiae Recombinant Protein

PRODUCT OVERVIEW

Product Name	Coatomer subunit zeta (RET3), Recombinant Protein
Full Product Name	Recombinant Saccharomyces cerevisiae Coatomer subunit zeta (RET3)
Product Gene Name	RET3 recombinant protein
Sequence	MSSLSLYTVQ AVLILDQQGE RIYAKYYQPP HRSDEGHQLL FNSVKKQKEF EKQLYRKTHK QDSEILIFED HLVLYKEYID ITIYLVASLE ENEIVLQQGF SAIRGALDLI LNSGMDKKNI QENYDMVLLA IDETIDNGVI LETDSNTIAS RVSKPPTNEP QMALDLDKGF LGAWGFAKSK FQERLQQGL
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	21,688 Da
Sequence Positions	1-189, 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 P53600
Species	Saccharomyces cerevisiae (strain 204508 / S288c) (Baker's yeast)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for RET3 recombinant protein	MBS1247699 is a recombinant protein targeting RET3. Also known as Recombinant Saccharomyces cerevisiae Coatomer subunit zeta (RET3). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of RET3 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 RET3. It may not necessarily be applicable to this product.

NCBI GI #	6325247
NCBI GeneID	856097
NCBI Accession #	NP_015315.1
UniProt Primary Accession #	P53600
UniProt Secondary Accession #	D6W402
UniProt Related Accession #	P53600
GenBank Nucleotide #	NM_001183824.1

NCBI Official Full Name	coatomer subunit zeta
NCBI Official Symbol	RET3
UniProt Protein Name	Coatomer subunit zeta
UniProt Synonym Protein Names	Zeta-coat protein; Zeta-COP
Protein Family	Coatomer
UniProt Gene Name	RET3
UniProt Synonym Gene Names	Zeta-COP
NCBI Protein Information	coatomer subunit zeta
UniProt Comments for RET3	The coatomer is a cytosolic protein complex that binds to dilysine motifs and reversibly associates with Golgi non-clathrin-coated vesicles, which further mediate biosynthetic protein transport from the ER, via the Golgi up to the trans Golgi network. Coatomer complex is required for budding from Golgi membranes, and is essential for the retrograde Golgi-to-ER transport of dilysine-tagged proteins.
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