Ribonuclease HII (rnhB) Streptococcus Pyogenes Serotype M12 Recombinant Protein

PRODUCT OVERVIEW

Product Name	Ribonuclease HII (rnhB), Recombinant Protein
Full Product Name	Recombinant Streptococcus pyogenes serotype M12 Ribonuclease HII (rnhB)
Product Gene Name	rnhB recombinant protein
Product Synonym Gene Name	rnhB
Sequence	MSTSIKAIKE SLEAVTSLLD PLFQELATDT RSGVQKALKS RQKAIQAELA EEERLEAMLS YEKALYKKGY QAIAGIDEVG RGPLAGPVVA ACVILPKYCK IKGLNDSKKI PKSKHETIYQ AVKEKALAIG IGIIDNQLID EVNIYEATKL AMLEAIKQLE SQLTQPDYLL IDAMTLDIAI SQQSILKGDA NSLSIAAASI VAKVTRDQMM ANYDRIFPGY GFAKNAGYGT KEHLQGLKAY GITPIHRKSF EPVKSMCCDS TNP
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	28,712 Da
Sequence Positions	1-263, 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 Q1JLN1
Species	Streptococcus pyogenes serotype M12 (strain MGAS9429)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for rnhB recombinant protein	MBS1313729 is a recombinant protein targeting rnhB. Also known as Recombinant Streptococcus pyogenes serotype M12 Ribonuclease HII (rnhB). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of rnhB 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 rnhB. It may not necessarily be applicable to this product.

NCBI GI #	489079834
NCBI Accession #	WP_002989771.1
UniProt Primary Accession #	Q1JLN1
GenBank Nucleotide #	WP_002989771.1
NCBI Official Full Name	ribonuclease HII

UniProt Protein Name	Ribonuclease HII
Protein Family	Ribonuclease
UniProt Gene Name	rnhB
UniProt Synonym Gene Names	RNase HII
UniProt Comments for rnhB	Endonuclease that specifically degrades the RNA of RNA-DNA hybrids.
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