Peptide Chain Release Factor 1 (prfA) Streptococcus Pyogenes Serotype M12 Recombinant Protein

PRODUCT OVERVIEW

Product Name	Peptide chain release factor 1 (prfA), Recombinant Protein
Full Product Name	Recombinant Streptococcus pyogenes serotype M12 Peptide chain release factor 1 (prfA)
Product Gene Name	prfA recombinant protein
Product Synonym Gene Name	prfA
Sequence	MNIYDQLQAV EDRYEELGEL LSDPDVVSDT KRFMELSREE ANTRETVTAY REYKQVIQTI SDAEEMIKDA SGDPELEEMA KEELKESKAA KEEYEEKLKI LLLPKDPNDD KNIILEIRGA AGGDEAALFA GDLLTMYQKY AETQGWRFEV MESSVNGVGG IKEVVAMVSG QSVYSKLKYE SGAHRVQRVP VTESQGRVHT STATVLVMPE VEEVEYDIDQ KDLRVDIYHA SGAGGQNVNK VATAVRMVHI PTGIKVEMQE ERTQQKNRDK AMKIIRARVA DHFAQIAQDE QDAERKSTVG TGDRSERIRT YNFPQNRVTD HRIGLTLQKL DTILSGKMDE VIDALVMYDQ TKKLESLNN
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	40,600 Da
Sequence Positions	1-359, 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 Q1JLQ2
Species	Streptococcus pyogenes serotype M12 (strain MGAS9429)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for prfA recombinant protein	MBS1457125 is a recombinant protein targeting prfA. Also known as Recombinant Streptococcus pyogenes serotype M12 Peptide chain release factor 1 (prfA). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of prfA 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 prfA. It may not necessarily be applicable to this product.

NCBI GI #	489079863
NCBI Accession #	WP_002989800.1
UniProt Primary Accession #	Q1JLQ2

GenBank Nucleotide #	WP_002989800.1
NCBI Official Full Name	peptide chain release factor 1
UniProt Protein Name	Peptide chain release factor 1
Protein Family	Listeriolysin regulatory protein
UniProt Gene Name	prfA
UniProt Synonym Gene Names	RF-1
UniProt Comments for prfA	Peptide chain release factor 1 directs the termination of translation in response to the peptide chain termination codons UAG and UAA.
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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