# Peptide Chain Release Factor 1 (prfA) Recombinant Protein

## PRODUCT OVERVIEW

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| **Product Name** | Peptide chain release factor 1 (prfA), Recombinant Protein |
| **Full Product Name** | Recombinant Buchnera aphidicola subsp. Acyrthosiphon pisum Peptide chain release factor 1 (prfA) |
| **Product Gene Name** | prfA recombinant protein |
| **Product Synonym Gene Name** | prfA; BU171 |
| **Product Synonym Names** | Peptide chain release factor 1; RF-1 |
| **Sequence** | MNNSILNKLK SLRNRYQEIE IMLTQKNVIS NRENLKTLSK EYLKLSEIIK YFIEWEKLEV DIENVNILLN DVEIQGMAEE ELYFFNKKKK ALEKKINQLL LPEDPNDKHS CFIEIRSATG GDESSIFAGE LFRMYLRYAE SYSWKVEIMN TSESEKGGFK EIIAKITGRG ACGRLKFESG GHRVQRVPET ESQGRIHTST CTVAVMPVTP KTEKEEINSS DLKIDTFRSS GAGGQHVNTT DSAIRITHIP TGNVVECQDE RSQHKNKAKA LSILSARVYA AKLEKDRQES SSMRKILLGT GERSDRNRTY NFPQNRITDH RINLSIYKLD EVLQGKLDLL IDPIIQEYQA DMLSSLSKSE S |
| **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** | 41,262 Da |
| **Sequence Positions** | 1-361aa; 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 P57268 |
| **Species** | Buchnera aphidicola subsp. Acyrthosiphon pisum (strain APS) (Acyrthosiphon pisum symbiotic bacterium) |
| **ISO Certification** | Manufactured in an ISO 9001:2015 Certified Laboratory. |
| **Related Product Information for prfA recombinant protein** | MBS1214864 is a recombinant protein targeting prfA. Also known as Recombinant Buchnera aphidicola subsp. Acyrthosiphon pisum 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.

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| **NCBI GI #** | 15616790 |
| **NCBI GeneID** | 1109614 |
| **NCBI Accession #** | NP_240002.1 |

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| **UniProt Primary Accession #** | P57268 |
| **UniProt Related Accession #** | P57268 |
| **GenBank Nucleotide #** | NC_002528.1 |
| **NCBI Official Full Name** | peptide chain release factor 1 |
| **NCBI Official Symbol** | prfA |
| **UniProt Protein Name** | Peptide chain release factor 1 |
| **Protein Family** | Listeriolysin regulatory protein |
| **UniProt Gene Name** | prfA |
| **UniProt Synonym Gene Names** | RF-1 |
| **UniProt Entry Name** | RF1_BUCAI |
| **NCBI Protein Information** | peptide chain release factor 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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