

# Ribosome-recycling factor, chloroplastic (RRF), Recombinant Protein

Cat RP00419

Size 0.02 mg (E-Coli)/ 0.1 mg (E-Coli)/ 0.02 mg (Yeast)/ 0.1 mg (Yeast)/ 0.02 mg (Baculovirus)/ 0.02 mg (Mammalian-Cell)/ 1

mg (E-Coli)/ 0.1 mg (Baculovirus)/ 1 mg (Yeast)/ 0.1 mg (Mammalian-Cell)/ 1 mg (Baculovirus)/ 0.5 mg (Mammalian-Cell)  
Species Arabidopsis thaliana (Mouse-ear cress)

## Full Product Name

Recombinant Arabidopsis thaliana Ribosome-recycling factor, chloroplastic (RRF)

## Product Gene Name

RRF recombinant protein

## Product Synonym Gene Name

RRF

## Purity

Greater or equal to 85% purity as determined by SDS-PAGE. (lot specific)

## Sequence

ATIEEIEAEK SAIETDVKSK MEKTIETLRT SFNSIRTGRS NAAMLDKIEV EYVGSPVSLK SIAQISTPDG  
SSLLLQPYDK SSLKAIEKAI VNSDLGVTPN NDGDVIRLSL PPLTSDRRKE LSKVVAKQSE EGKVALRNIR  
RDALKSYDKL EKEKKLSEDN VKDLSSDLQK LIDVYMKKIE ELYKQKEKEL MKV

## Sequence Positions

83-275, Full length protein

## Format

Lyophilized or liquid (Format to be determined during the manufacturing process)

## Host

E Coli or Yeast or Baculovirus or Mammalian Cell

## Molecular Weight

30,422 Da

## Storage

Store at -20°C. For long-term storage, store at -20°C or -80°C. Store working aliquots at 4°C for up to one week. Repeated freezing and thawing is not recommended.

## NCBI Accession #

NP\_567141.1

## NCBI GI #

18412657

## NCBI GenBank Nucleotide #

NM\_116184.4

## NCBI GenelD

825494

**FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY**

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**NCBI Official Full Name**  
ribosome recycling factor, chloroplast

## NCBI Official Symbol

RRF

## NCBI Official Synonym Symbols

"ribosome recycling factor; Arabidopsis thaliana chloroplast ribosome recycling factor; AtcpRRF; chloroplast precursor; chloroplast precursor"; chloroplast ribosome recycling factor; cpRRF; HFP108; HIGH CHLOROPHYLL FLUORESCENCE AND PALE GREEN MUTANT 108

## NCBI Protein Information

ribosome recycling factor, chloroplast precursor

## NCBI Summary

The gene encodes a chloroplast ribosome recycling factor homologue. Analysis of mutants revealed its role in the chloroplast development and early stages of embryo development.

## UniProt Gene Name

RRF

## UniProt Synonym Gene Names

RRF

## UniProt Protein Name

Ribosome-recycling factor, chloroplastic

## UniProt Synonym Protein Names

CpFrr; RRFHCP; Ribosome-releasing factor, chloroplastic

## UniProt Primary Accession #

Q9M1X0

## UniProt Secondary Accession #

Q93V42

## UniProt Related Accession #

Q9M1X0

## UniProt Comments

Responsible for the release of ribosomes from messenger RNA at the termination of chloroplastic protein biosynthesis.

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