

50S ribosomal protein L18 alpha/beta, chloroplastic (RPL18), Recombinant Protein

Cat *RP19683*

Size *0.05 mg (E-Coli)/ 0.05 mg (Yeast)/ 0.2 mg (E-Coli)/ 0.05 mg (Baculovirus)/ 0.5 mg (E-Coli)/ 0.2 mg (Yeast)/ 0.1 mg*

Species *(Baculovirus)/ 0.05 mg (Mammalian-Cell)/ 0.5 mg (Yeast)/ 1 mg (E-Coli)/ 0.5 mg (Baculovirus)/ 0.1 mg (Mammalian-Cell)/ 1 mg (Spinacia oleracea (Spinach) (Yeast)/ 1 mg (B*

Full Product Name

Recombinant *Spinacia oleracea* 50S ribosomal protein L18 alpha/beta, chloroplastic (RPL18)

Product Synonym Names

Recombinant 50S ribosomal protein L18 alpha/beta, chloroplastic (RPL18); 50S ribosomal protein L18 alpha/beta, chloroplastic; CL18

Product Gene Name

RPL18 recombinant protein

Product Synonym Gene Name

RPL18; PRPL18

Purity

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

Sequence

KAHTRREDRT ARHVRIRKKV EGTPERXXL

Sequence Positions

1-29aa; 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

3,519 Da

Storage

Store at -20°C. For extended storage, store at -20 or -80°C.

Protein Family

50S ribosomal protein

NCBI Accession

P82195.2

NCBI GI

73621542

NCBI Official Full Name

50S ribosomal protein L18 alpha/beta, chloroplastic

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY

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(Baculovirus)/ 0.05 mg (Mammalian-Cell)/ 0.5 mg (Yeast)/ 1 mg

UniProt Gene Name *(E-Coli)/ 0.5 mg (Baculovirus)/ 0.1 mg (Mammalian-Cell)/ 1 mg*

RPL18 *(Yeast)/ 1 mg (B*

UniProt Synonym Gene Names

PRPL18

UniProt Protein Name

50S ribosomal protein L18 alpha/beta, chloroplastic

UniProt Synonym Protein Names

CL18

UniProt Entry Name

RK18_SPIOL

UniProt Primary Accession

P82195

UniProt Comments

Function: Binds 5S rRNA, forms part of the central protuberance of the 50S subunit

By similarity.

Subunit structure: Part of the 50S ribosomal subunit; contacts the 5S rRNA

By similarity.

Subcellular location: Plastid › chloroplast.

Miscellaneous: There are two forms of L18 alpha, shown here, and beta, both with a MW of 11.5 kDa. They probably differ by an unknown post-translational modification; their first 26 amino acids are identical.

Sequence similarities: Belongs to the ribosomal protein L18P family.

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