

Chloroplastic group IIB intron splicing facilitator CRS2, chloroplastic (CRS2), Recombinant Protein

Cat RP10462

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-Zea mays (Maize Cell))

Full Product Name

Recombinant Zea mays Chloroplastic group IIB intron splicing facilitator CRS2, chloroplastic (CRS2)

Product Gene Name

CRS2 recombinant protein

Product Synonym Gene Name

CRS2

Purity

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

Sequence

VSSVPDPAAG PVEYTPWLIA GLGNPGNKYY GTRHNVGFEM VDRIAAEEGI TMNTIQSKSL LGIGSIGEVP
VLVVKPQSYM NYSGEAIGPL AAYYQVPLRH ILLIYDDTSL PNGVLRQLQK GGHGRHNLQ NVIEHLDGRR
EFPRLSIGIG SPPGKMDPRA FLLQKFSSEE RVQIDTALEQ GVDVARTLVL KGFSGSTERF NLVQKYKFHR V

Sequence Positions

46-256, 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

28,214 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.

Protein Family

Chloroplastic group IIA intron splicing facilitator

NCBI Accession

Q9M5P4.1

NCBI GI

75312019

NCBI Official Full Name

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY

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UniProt Gene Name
CRS2

UniProt Protein Name

Chloroplastic group IIB intron splicing facilitator CRS2, chloroplastic

UniProt Synonym Protein Names

Chloroplastic RNA splicing factor 2; Protein CHLOROPLAST RNA SPLICING 2

UniProt Primary Accession

Q9M5P4

UniProt Comments

Required for the splicing of group IIB introns in chloroplasts. Forms complexes with either CAF1 or CAF2 which, in turn, interact with RNA and confer intron specificity of the splicing particles. Has no peptidyl-tRNA hydrolase activity.

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