

Exosome complex exonuclease RRP46 homolog (RRP46), Recombinant Protein

Cat RP12690

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-
Oryza sativa subsp. japonica (Rice)
Cell)

Full Product Name

Recombinant Oryza sativa subsp. japonica Exosome complex exonuclease RRP46 homolog (RRP46)

Product Gene Name

RRP46 recombinant protein

Product Synonym Gene Name

RRP46

Purity

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

Sequence

MEESRADGRN PNQLRPFSC T RNPLDRAHGS ARWAQGDTIV LAAVYGPKPG TRKGENPEKA SIEVVWKPM T
GQIGKQEKEY EMTLKRTLQS ICLLTVHPNT TTSVILQVVG NDGSLLPCAI NACCAALVFA GIPLKHLAVA
IGCGVLEDGE VILDTNKAEE QQLKSFAHLV FPNSRKSASS KEPNQKEEDS ERGLITSITH GVMSEEDYFS
CIERGLAASS RISDFMRTTL QKQAPGDV

Sequence Positions

1-238, 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

25,909 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

Exosome complex exonuclease

NCBI Accession

XP_015630424.1

NCBI GI

1002252399

NCBI GenBank Nucleotide

XM_015774938.1

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY

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mg (E-Coli)/ 0.1 mg (Baculovirus)/ 1 mg (Yeast)/ 0.1 mg (Mammalian-Cell)/ 1 mg (Baculovirus)/ 0.5 mg (Mammalian-Cell)

NCBI GeneID

4334824

NCBI Official Full Name

exosome complex exonuclease RRP46 homolog

NCBI Official Symbol

LOC4334824

NCBI Official Synonym Symbols

RRP46; oRrp46

NCBI Protein Information

exosome complex exonuclease RRP46 homolog

UniProt Gene Name

RRP46

UniProt Synonym Gene Names

oRrp46

UniProt Protein Name

Exosome complex exonuclease RRP46 homolog

UniProt Synonym Protein Names

Exosome component 5; Ribosomal RNA-processing protein 46; oRrp46

UniProt Primary Accession

Q84T68

UniProt Secondary Accession

A0A0P0W6B3

UniProt Related Accession

Q84T68

UniProt Comments

Probable component of the exosome 3'->5' exoribonuclease complex, a complex that degrades inherently unstable mRNAs containing AU-rich elements (AREs) within their 3'-untranslated regions. May form a homodimer separately from exosome complexes and function in DNA cleavage process. Binds double-stranded DNA (dsDNA) and single-stranded RNA (ssRNA), and possesses hydrolytic DNase and phosphorolytic RNase activities in vitro.

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY