

Ribonuclease 2 (RNS2), Recombinant Protein

Cat RP02092

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 Ribonuclease 2 (RNS2)

Product Gene Name

RNS2 recombinant protein

Purity

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

Sequence

GDVIELNRSQ REFDFYFALSL QWPGTYCRGT RHCCSKNACC RGSDAPTQFT IHGLWPDYND GSWPSCCYRS
DFKEKEISTL MDGLEKYWPS LSCGSPSSCN GGKGSFWGHE WEKHGTCSSP VFHDEYNYFL TTLNLYLKHN
VTDVLYQAGY VASNSEKYPL GGIVTAIQNA FHITPEVVCK RDAIDEIRIC FYKDFKPRDC VGSQDLTSRK
SCPKYVSLPE YTPLDGEAMV LKMPTEREAL

Sequence Positions

20-259, 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

29,153 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

Ribonuclease

NCBI Accession

NP_030524.1

NCBI GI

18405157

NCBI GenBank Nucleotide

NM_129536.5

NCBI GenelD

818563

NCBI Official Full Name

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY

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(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)

NCBI Official Symbol

RNS2

NCBI Official Synonym Symbols

ribonuclease 2; T5I7.8; T5I7_8

NCBI Protein Information

ribonuclease 2

NCBI Summary

Encodes the main endoribonuclease activity in plant cells and localizes to the endoplasmic reticulum (ER), ER-derived structures, and vacuoles. It is essential for normal ribosomal RNA recycling.

UniProt Gene Name

RNS2

UniProt Protein Name

Ribonuclease 2

UniProt Primary Accession

P42814

UniProt Secondary Accession

Q42136

UniProt Related Accession

P42814

UniProt Comments

May remobilize phosphate, particularly when cells senesce or when phosphate becomes limiting.

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