

Ribonucleoside-diphosphate reductase small chain (LOC107781035), Recombinant Protein

Cat *RP17197*

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

mg (Baculovirus)/ 1 mg (E-Coli)/ 1 mg (Yeast)/ 0.1 mg (Mammalian-Cell)/ 1 mg (Baculovirus)/ 0.5 mg (Mammalian-Cell)
Species Nicotiana tabacum (Common tobacco)

Full Product Name

Recombinant Nicotiana tabacum Ribonucleoside-diphosphate reductase small chain

Product Gene Name

LOC107781035 recombinant protein

Purity

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

Sequence

MPLIPEEPLL ASSPDRFCMF PIQYPQIWEM YKKALASFWT AEEVDLSSDT RHWETLTPGE RHFITHVLAF
FAASDGVILE NLAGRFMKEV QVAEARAFYG FQIAIENIHS EMYSLLLESY IKDSDEKSRL FRAVETNPCV
EKKAKWALRW IDGSETFAER LVAFACVEGI FFGSGSFCAIF WLKKRGLMPG LTFSNELISR DEGLHCDFAC
LLYSLLRTKL TEERVKGIVA DAVEIEREFV CDALPCALVG MNGDLMSKYI EFVADRLLDA LGYDKLYNAQ
NPFDWMEIS LQGKTNFFEK RVGEYQKASV MSSLNGNGAT HEFKLDEDF

Sequence Positions

1-329, 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

37,608 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

Ribonucleoside-diphosphate reductase

NCBI Accession

NP_001312237.1

NCBI GI

1027852527

NCBI GenBank Nucleotide

NM_001325308.1

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY

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NCBI GeneID

107781035

NCBI Official Full Name

ribonucleoside-diphosphate reductase small chain

NCBI Official Symbol

LOC107781035

NCBI Protein Information

ribonucleoside-diphosphate reductase small chain

UniProt Protein Name

Ribonucleoside-diphosphate reductase small chain

UniProt Synonym Protein Names

Ribonucleoside-diphosphate reductase R2 subunit; Ribonucleotide reductase small subunit

UniProt Primary Accession

P49730

UniProt Related Accession

P49730

UniProt Comments

Provides the precursors necessary for DNA synthesis. Catalyzes the biosynthesis of deoxyribonucleotides from the corresponding ribonucleotides.

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