

DNA-directed RNA polymerase subunit alpha (rpoA), Recombinant Protein

Cat *RP15048*

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*)
Solanum lycopersicum (Tomato) (*Lycopersicon esculentum*)

Full Product Name

Recombinant Solanum lycopersicum DNA-directed RNA polymerase subunit alpha (rpoA)

Product Gene Name

rpoA recombinant protein

Product Synonym Gene Name

rpoA

Purity

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

Sequence

MVREKVTVST RTLQWKCVES RTDSKRLLYYG RFILSPLMKG QADTIGIAMR RALLGEIEGT CITRVKSEKV
PHEYSTITGI QESVHEILMN LKEIVLRSLN YGTSEASICV KGPGYVTAQD IILPPYVEIV DNTQHIASLT
EPIDFCIGLQ IERNRGYLIK TPHNFQDGSY PIDAVFMPVR NANHSIHSYG NGNEKQEILF IEIWTNGSLT
PKEALHDASR NLIDLFIPFL HMEEDNLYLQ DNQHTVPLSP FTFHDKLAKL IKNKKKIALK SIFIDQSELS
SRIYNCLKMS NIYTLDDL N SQEDLMKIE HFRSEDIKQI LDILEKYFVI DLAKNKF

Sequence Positions

1-337, 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

38,709 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

DNA-directed RNA polymerase

NCBI Accession

AP_004960.1

NCBI GI

544170704

NCBI GenBank Nucleotide

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY

DNA-directed RNA polymerase subunit alpha (rpoA), Recombinant Protein

Cat RP15048

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)
AC_000188.1
NCBI GeneID
3950463

NCBI Official Full Name

RNA polymerase alpha chain (chloroplast)

NCBI Official Symbol

rps7

NCBI Protein Information

ribosomal protein S7

UniProt Gene Name

rpoA

UniProt Synonym Gene Names

PEP; RNA polymerase subunit alpha

UniProt Protein Name

DNA-directed RNA polymerase subunit alpha

UniProt Synonym Protein Names

Plastid-encoded RNA polymerase subunit alpha

UniProt Primary Accession

Q2MI69

UniProt Related Accession

Q2MI54

UniProt Comments

DNA-dependent RNA polymerase catalyzes the transcription of DNA into RNA using the four ribonucleoside triphosphates as substrates.

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY