

DNA-directed RNA polymerase 2, chloroplastic/mitochondrial (RPOT2), Recombinant Protein

Cat *RP05487*

Species

Arabidopsis thaliana (Mouse-ear cress)

Full Product Name

Recombinant *Arabidopsis thaliana* DNA-directed RNA polymerase 2, chloroplastic/mitochondrial (RPOT2) , partial

Product Gene Name

RPOT2 recombinant protein

Product Synonym Gene Name

RPOT2

Purity

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

Format

Lyophilized or liquid (Format to be determined during the manufacturing process)

Host

E Coli or Yeast or Baculovirus or Mammalian Cell

Molecular Weight

114,521 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

NP_197074.1

NCBI GI

15242369

NCBI GenBank Nucleotide

NM_121574.3

NCBI GeneID

831424

NCBI Official Full Name

DNA/RNA polymerases superfamily protein

NCBI Official Symbol

AT5G15700

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY

DNA-directed RNA polymerase 2, chloroplastic/mitochondrial (RPOT2), Recombinant Protein

Cat *RP05487*

NCBI Official Synonym Symbols

F14F8.80; F14F8_80

NCBI Protein Information

DNA/RNA polymerases superfamily protein

NCBI Summary

Nucleus encoded plastid RNA polymerase. Localized in mitochondria and chloroplast.

UniProt Gene Name

RPOT2

UniProt Protein Name

DNA-directed RNA polymerase 2, chloroplastic/mitochondrial

UniProt Primary Accession

Q9LFV6

UniProt Secondary Accession

O23644

UniProt Related Accession

Q9LFV6

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