

Probable dihydrodipicolinate reductase 2, chloroplastic (DAPB2), Recombinant Protein

Cat RP12619

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 Oryza sativa subsp. japonica (Rice)

Full Product Name

Recombinant Oryza sativa subsp. japonica Probable dihydrodipicolinate reductase 2, chloroplastic (DAPB2)

Product Gene Name

DAPB2 recombinant protein

Product Synonym Gene Name

DAPB2

Purity

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

Sequence

VAAPSAIVEA VSPPARFSFP ILVNGCTGKM GLSVAEAVTS SGLHLVPISF SSRDTLDRTV RVGHTDVRIY
GPSAREDVLS SVIDEFPDVV VVDYTAPDSV NANAELYCKL GLPFVMGTTG GDRQLLYKSV QDSNNYALIS
PQMKGQVAVF LAAMEIMAEQ FPGAFSGYHL EVLESHQAGK LDISGTAKAV IACFEKLGVS YDMNRMVKIR
DPEQQLEMVG VPEEHIEGHA FHLYHLTSPD DSVSFEFQHN VCGRSIYAEG SVDAAMFLHR KVRSNDSKRI
YDMIDVLREG SMR

Sequence Positions

33-325, 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

32,862 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

Probable 4-hydroxy-tetrahydrodipicolinate reductase

NCBI Accession

XP_015631811.1

NCBI GI

1002255087

NCBI GenBank Nucleotide

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY

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mg (Baculovirus)/ 1 mg (E-Coli)/ 1 mg (Yeast)/ 0.1 mg (Mammalian-Cell)/ 1 mg (Baculovirus)/ 0.5 mg (Mammalian-Cell)
NCBI GeneID
4332231

NCBI Official Full Name

probable 4-hydroxy-tetrahydrodipicolinate reductase 2, chloroplastic

NCBI Official Symbol

LOC4332231

NCBI Official Synonym Symbols

DAPB2; OsJ_10116; OsJ_009732

NCBI Protein Information

probable 4-hydroxy-tetrahydrodipicolinate reductase 2, chloroplastic

UniProt Gene Name

DAPB2

UniProt Synonym Gene Names

HTPA reductase 2

UniProt Protein Name

Probable 4-hydroxy-tetrahydrodipicolinate reductase 2, chloroplastic

UniProt Primary Accession

Q10P67

UniProt Secondary Accession

Q0DTI8; Q10P66; A3AG10; B7ESW8

UniProt Related Accession

Q10P67

UniProt Comments

Catalyzes the conversion of 4-hydroxy-tetrahydrodipicolinate (HTPA) to tetrahydrodipicolinate.

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