

Transcription factor TCP24 (TCP24), Recombinant Protein

Cat RP05126

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 Arabidopsis thaliana (Mouse-ear cress)

Full Product Name

Recombinant Arabidopsis thaliana Transcription factor TCP24 (TCP24)

Product Gene Name

TCP24 recombinant protein

Product Synonym Gene Name

TCP24

Purity

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

Sequence

MEVDEDIELQ KHQEQQSRKL QRFSEDNTGL MRNWNPNSSR IIRVSRASGG KDRHSKVLTS KGLRDRIIRL SVATAIQFYD LQDRLGFDQP SKAVEWLINA ASDSITDLPL LNTNFDHLDQ NQNQTKSACS SGTSESSLLS LSRTEIRGKA RERARERTAK DRDKDLQNAH SSFTQLLTGG FDQQPSNRNW TGGSDCFNPV QLQIPNSSSQ EPMNHFPFSV PDYNFGISSS SSAINGGYSS RGTLSNSQS LFLNNNNNIT QRSSISSSSS SSSPMDSQSI SFFMATPPPL DHHNHQLPET FDGRLYLYYG EGNRSSDDKA KERR

Sequence Positions

1-324, 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

36,377 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

Transcription factor

NCBI Accession

NP_564351.1

NCBI GI

18397402

NCBI GenBank Nucleotide

NM_102760.3

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY

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(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)

NCBI GeneID

839901

NCBI Official Full Name

TEOSINTE BRANCHED 1, cycloidea, and PCF family 24

NCBI Official Symbol

TCP24

NCBI Official Synonym Symbols

and PCF family 24; ATTCP24; cycloidea; F12P21.11; F12P21_11; TEOSINTE BRANCHED 1

NCBI Protein Information

TEOSINTE BRANCHED 1, cycloidea, and PCF family 24

NCBI Summary

TCP family protein involved in heterochronic regulation of leaf differentiation.

UniProt Gene Name

TCP24

UniProt Protein Name

Transcription factor TCP24

UniProt Primary Accession

Q9C758

UniProt Related Accession

Q9C758

UniProt Comments

Plays a pivotal role in the control of morphogenesis of shoot organs by negatively regulating the expression of boundary-specific genes such as CUC genes, probably through the induction of miRNA (e.g. miR164). In association with ABAP1, exerts a negative role in cell proliferation in leaves, possibly by inhibiting mitotic DNA replication. Participates in ovule development (PubMed:25378179).

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