

WRKY transcription factor 6 (WRKY6), Recombinant Protein

Cat RP05154

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 (Mammalian-Cell)/ 1 mg (E-Coli)/ 1 mg (Yeast)/ 1 mg (Baculovirus)/ 0.5 mg (Mammalian-Cell)
Species Arabidopsis thaliana (Mouse-ear cress)

Full Product Name

Recombinant Arabidopsis thaliana WRKY transcription factor 6 (WRKY6) , partial

Product Gene Name

WRKY6 recombinant protein

Product Synonym Gene Name

WRKY6

Purity

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

Sequence

MDRGWSGLTL DSSSLDLLNP NRISHKNHRR FSNPLAMSRI DEEDDQKTRI STNGSEFRFP VSLSGIRDRE
DEDSSGVAG DNDREVPGEV DFFSDKKS RV CREDDEGFRV KKEEQDDR TD VNTGLNLR TT GNTKSDESMI
DDGESSEMED KRAKNELVKL QDELKKMTMD NQKLRELLTQ VSNSYTS LQM HLVSLMQQQQ QQNNKVIEAA
EKPEETIVPR QFIDLGPTRA VGEAEDVSNS SS EDRTRSGG SSAAERRSNG KRLGREESPE TESN KIQKVN
STPTTFDQT AEATMRKARV SVRARSEAPM ISDGCQWRKY GQKMAKGNPC PRAYYRCTMA TGCPVRKQVQ
RCAEDRSILI TTYEGNH NHP LPPAAVAMAS

Sequence Positions

1-380. Partial

Format

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

Host

E Coli or Yeast or Baculovirus or Mammalian Cell

Molecular Weight

60,593 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

WRKY transcription factor

NCBI Accession

NP_564792.1

NCBI GI

18407554

NCBI GenBank Nucleotide

NM_104910.3

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY

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mg (Mammalian-Cell)/ 1 mg (E-Coli)/ 1 mg (Yeast)/ 1 mg (Baculovirus)/ 0.5 mg (Mammalian-Cell)

NCBI GeneID
842527

NCBI Official Full Name

WRKY family transcription factor

NCBI Official Symbol

WRKY6

NCBI Official Synonym Symbols

ATWRKY6; F19K23.22; F19K23_22

NCBI Protein Information

WRKY family transcription factor

NCBI Summary

Encodes a transcription factor WRKY6. Regulates Phosphate1 (Pho1) expression in response to low phosphate (Pi) stress.

UniProt Gene Name

WRKY6

UniProt Synonym Gene Names

AtWRKY6

UniProt Protein Name

WRKY transcription factor 6

UniProt Synonym Protein Names

WRKY DNA-binding protein 6

UniProt Primary Accession

Q9C519

UniProt Secondary Accession

O04594; Q9C5T1

UniProt Related Accession

Q9C519

UniProt Comments

Transcription factor involved in the control of processes related to senescence and pathogen defense (PubMed:12000796). Interacts specifically with the W box (5'-(T)TGAC[CT]-3'), a frequently occurring elicitor-responsive cis-acting element (PubMed:12000796). Activates the transcription of the SIRK gene and represses its own expression and that of the WRKY42 genes (PubMed:12000796). Modulates phosphate homeostasis and Pi translocation by regulating PHO1 expression (PubMed:25733771).

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