

AP2/ERF and B3 domain-containing transcription repressor RAV2 (RAV2), Recombinant Protein

Cat *RP01045*

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^{Cell}

Arabidopsis thaliana (Mouse-ear cress)

Full Product Name

Recombinant *Arabidopsis thaliana* AP2/ERF and B3 domain-containing transcription repressor RAV2 (RAV2)

Product Gene Name

RAV2 recombinant protein

Purity

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

Sequence

MDSSCIDEIS SSTSEFSAT TAKKLSPPPA AALRLYRMGS GGSSVVDPE NGLETESRKL PSSKYKGVVP
QPNGRWGAQI YEKHQRVWLG TFNEQEEAAR SYDIAACRFR GRDAVVNFKN VLEDGDLAFL EAHSKAEIVD
MLRKHTYADE LEQNNKRQLF LSVDANGKRN GSSTTQNDKV LKTREVLFEK AVTPSDVGKL NRLVIPKQHA
EKHFPLSPSPS PAVTKGVLIN FEDVNGKVWR FRYSYWNSSQ SYVLTKGWSR FVKEKNLRAG DVVTFERSTG
LERQLYIDWK VRSGPRENPV QVVVRLFGVD IFNVTTVKPN DVVAVCGGKR SRDVDDMFAL RCSKKQAIIN AL

Sequence Positions

1-352, 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

39,493 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

AP2/ERF and B3 domain-containing transcription repressor

NCBI Accession

NP_001185352.1

NCBI GI

334183743

NCBI GenBank Nucleotide

NM_001198423.1

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY

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NCBI GeneID

843216

NCBI Official Full Name

related to ABI3/VP1 2

NCBI Official Symbol

RAV2

NCBI Official Synonym Symbols

AtRAV2; EDF2; ETHYLENE RESPONSE DNA BINDING FACTOR 2; RAP2.8; related to ABI3/VP1 2; RELATED TO AP2 8; T6L1.3; T6L1_3; TEM2; TEMPRANILLO 2

NCBI Protein Information

related to ABI3/VP1 2

NCBI Summary

Rav2 is part of a complex that has been named 'regulator of the (H⁺)-ATPase of the vacuolar and endosomal membranes' (RAVE)

UniProt Gene Name

RAV2

UniProt Synonym Gene Names

RAP2-8; TEM2

UniProt Protein Name

AP2/ERF and B3 domain-containing transcription repressor RAV2

UniProt Synonym Protein Names

Ethylene-responsive transcription factor RAV2; Protein RELATED TO ABI3/VP1 2; Protein RELATED TO APETALA2 8; Protein TEMPRANILLO 2

UniProt Primary Accession

P82280

UniProt Secondary Accession

O23110; Q8LDM7

UniProt Related Accession

P82280

UniProt Comments

Probably acts as a transcriptional activator. Binds to the GCC-box pathogenesis-related promoter element. May be involved in the regulation of gene expression by stress factors and by components of stress signal transduction pathways. Transcriptional repressor of flowering time on long day plants. Acts directly on FT expression by binding 5'-CAACA-3' and 5'-CACCTG-3 sequences (Probable). Functionally redundant with TEM1.

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