

Protein FANTASTIC FOUR 4 (FAF4), Recombinant Protein

Cat RP02047

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 Protein FANTASTIC FOUR 4 (FAF4)

Product Gene Name

FAF4 recombinant protein

Product Synonym Gene Name

FAF4

Purity

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

Sequence

MATVVYQSYF ESQHFEPRL RLRLSSHTNP QLSTPLKSHF QNSSIAPQDN PITINAASLP SSSPNPSSNS
DTNSGSWSFL ELSNSSSSND KEKKTLPFQ SPSSRRTLSD ESLALCTESL GSETGSDIIH EDMFSISSEL
QTMETRTTST TSNPSRQDRK RNTMASLPPP LTSMIGFDCI EVKSHRENGR LVMMATRPPP RNRCLQDRSN
GCVRLAILID SDDHIETETK EEKEEEEEET IETVRDNEEE IPEYKEEEEE KEEEIKVKG V EKVQRSRRCI
EGDRENRGFL NWESLCVATS

Sequence Positions

1-300, 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

33,895 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

Protein FANTASTIC FOUR

NCBI Accession

NP_187253.1

NCBI GI

15230610

NCBI GenBank Nucleotide

NM_111476.2

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

819773

NCBI Official Full Name

FANTASTIC four-like protein (DUF3049)

NCBI Official Symbol

FAF4

NCBI Official Synonym Symbols

F2O10.2; F2O10_2; FANTASTIC FOUR 4

NCBI Protein Information

FANTASTIC four-like protein (DUF3049)

NCBI Summary

A member of the FAF family proteins encoded by the FANTASTIC FOUR (FAF) genes: AT4G02810 (FAF1), AT1G03170 (FAF2), AT5G19260 (FAF3) and AT3G06020 (FAF4). FAFs have the potential to regulate shoot meristem size in *Arabidopsis thaliana*. FAFs can repress WUS, which ultimately leads to an arrest of meristem activity in FAF overexpressing lines.

UniProt Gene Name

FAF4

UniProt Protein Name

Protein FANTASTIC FOUR 4

UniProt Primary Accession

Q9SFG6

UniProt Related Accession

Q9SFG6

UniProt Comments

Regulates the size of the shoot meristem by modulating the CLV3-WUS feedback loop. Can repress WUS but is under negative control by CLV3.

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