

Protein ARABIDILLO 1 (FBX5), Recombinant Protein

Cat *RP01810*

Species

Arabidopsis thaliana (Mouse-ear cress)

Full Product Name

Recombinant *Arabidopsis thaliana* Protein ARABIDILLO 1 (FBX5) , partial

Product Gene Name

FBX5 recombinant protein

Purity

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

Format

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

Host

E Coli or Yeast or Baculovirus or Mammalian Cell

Molecular Weight

100,642 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

NCBI Accession

NP_001325003.1

NCBI GI

1063706825

NCBI GenBank Nucleotide

NM_001337106.1

NCBI GeneID

819099

NCBI Official Full Name

ARABIDILLO-1

NCBI Official Symbol

ARABIDILLO-1

NCBI Official Synonym Symbols

ARABIDILLO1; F-box Armadillo protein 1; T13E15.9

NCBI Protein Information

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY

Protein ARABIDILLO 1 (FBX5), Recombinant Protein

Cat *RP01810*

ARABIDILLO-1

NCBI Summary

ARABIDILLO-1 and its homolog, ARABIDILLO -2, are unique among Arabidopsis Arm-repeat proteins in having an F-box motif and fall into a phylogenetically distinct subgroup from other plant Arm-repeat proteins. Similar to arm repeat protein in rice and armadillo/beta-catenin repeat family protein / F-box family protein in Dictyostelium. ARABIDILLO-1 promote lateral root development. Mutant plants form fewer lateral roots, while ARABIDILLO-1-overexpressing lines produce more lateral roots than wild-type seedlings.

UniProt Gene Name

FBX5

UniProt Protein Name

Protein ARABIDILLO 1

UniProt Synonym Protein Names

F-box only protein 5

UniProt Primary Accession

O22161

UniProt Related Accession

O22161

UniProt Comments

Promotes lateral root initiation and development, independently of auxin (IAA) and abscisic acid (ABA).

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