

Putative flavin-containing monooxygenase YUCCA11 (YUC11), Recombinant Protein

Cat *RP04821*

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* Putative flavin-containing monooxygenase YUCCA11 (YUC11)

Product Gene Name

YUC11 recombinant protein

Product Synonym Gene Name

YUC11

Purity

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

Sequence

MEKEIKILVL IIGAGPAGLA TSACLNRLNI PNIVVERDVC SASLWKRRSY DRLKLHLAKQ FCQLPHMPFP
SNTPTFVSKL GFINYLDEYA TRFNVNPRYN RNVKSAYFKD GQWIVKVVNK TTALIEVYSA KFMVAATGEN
GEGVIPEIPG LVESFQGKYL HSSEYKNGEK FAGKDVLVVG CGNSGMEIAY DLSKCNANVS IVVRSQVHVL
TRCIVRIGMS LLRFFPVKLV DRLCLLLAEL RFRNTSRYGL VRPNNGPFLN KLITGRSATI DVGCVGEIKS
GKIQVVTSIK RIEGKTVEFI DGNTKNVDSI VFATGYKSSV SKWLEVDDGD LFNENGMPKR EFPDHWKGKN
GLYSAGFGKQ GLAGISRDR NIARDIDSLV CGRSSKNKLS K

Sequence Positions

1-391, 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

43,358 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

Probable indole-3-pyruvate monooxygenase

NCBI Accession

NP_173564.1

NCBI GI

15218988

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY

Putative flavin-containing monooxygenase YUCCA11 (YUC11), Recombinant Protein

Cat *RP04821*

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)

NCBI GenBank Nucleotide

NM_101994.1

NCBI GeneID

838741

NCBI Official Full Name

Flavin-binding monooxygenase family protein

NCBI Official Symbol

YUC11

NCBI Official Synonym Symbols

F24J8.6; F24J8_6

NCBI Protein Information

Flavin-binding monooxygenase family protein

UniProt Gene Name

YUC11

UniProt Synonym Gene Names

YUCCA11

UniProt Protein Name

Probable indole-3-pyruvate monooxygenase YUCCA11

UniProt Synonym Protein Names

Flavin-containing monooxygenase YUCCA11

UniProt Primary Accession

Q9LPL3

UniProt Related Accession

Q9LPL3

UniProt Comments

Involved in auxin biosynthesis.

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY