

Auxin-responsive protein IAA5 (IAA5), Recombinant Protein

Cat RP01366

Size 0.02 mg (E-Coli)/ 0.1 mg (E-Coli)/ 0.02 mg (Yeast)/ 0.1 mg (Yeast)/ 0.02 mg (Baculovirus)/ 0.02 mg (Mammalian-Cell)/ 1

mg (E-Coli)/ 0.1 mg (Baculovirus)/ 1 mg (Yeast)/ 0.1 mg (Mammalian-Cell)/ 1 mg (Baculovirus)/ 0.5 mg (Mammalian-Cell)
Arabidopsis thaliana (Mouse-ear cress)

Full Product Name

Recombinant Arabidopsis thaliana Auxin-responsive protein IAA5 (IAA5)

Product Gene Name

IAA5 recombinant protein

Purity

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

Sequence

MANESNNLGL EITELRLGLP GDIVVSGESI SGKKRASPEV EIDLKCEPAK KSQVVGWPPV CSYRRKNSLE
RTKSSYVKVS VDGAFLRKI DLEMYKCYQD LASALQILFG CYINFDDTLK ESECVPIYED KGDWMLAGD
VPWEMFLGSC KRLRIMKRSC NRG

Sequence Positions

1-163, 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

18,354 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

Auxin-responsive protein

NCBI Accession

NP_173011.1

NCBI GI

15218243

NCBI GenBank Nucleotide

NM_101427.5

NCBI GeneID

838128

NCBI Official Full Name

indole-3-acetic acid inducible 5

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY

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NCBI Official Symbol

IAA5

NCBI Official Synonym Symbols

ATAUX2-27; AUX2-27; AUXIN-INDUCIBLE 2-27; indole-3-acetic acid inducible 5; T16N11.9; T16N11_9

NCBI Protein Information

indole-3-acetic acid inducible 5

NCBI Summary

auxin induced protein

UniProt Gene Name

IAA5

UniProt Synonym Gene Names

AUX2-27

UniProt Protein Name

Auxin-responsive protein IAA5

UniProt Synonym Protein Names

Auxin-induced protein AUX2-27; Indoleacetic acid-induced protein 5

UniProt Primary Accession

P33078

UniProt Secondary Accession

Q38823; Q8H1E0

UniProt Related Accession

P33078

UniProt Comments

Aux/IAA proteins are short-lived transcriptional factors that function as repressors of early auxin response genes at low auxin concentrations. Repression is thought to result from the interaction with auxin response factors (ARFs), proteins that bind to the auxin-responsive promoter element (AuxRE). Formation of heterodimers with ARF proteins may alter their ability to modulate early auxin response genes expression.

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