

Auxin-responsive protein IAA34 (IAA34), Recombinant Protein

Cat RP05098

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)

Species

Arabidopsis thaliana (Mouse-ear cress)

Full Product Name

Recombinant Arabidopsis thaliana Auxin-responsive protein IAA34 (IAA34)

Product Gene Name

IAA34 recombinant protein

Product Synonym Gene Name

IAA34

Purity

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

Sequence

MYCSDPPHPL HLVASDKQQK DHKLILSWKK PTMDSDDLGV FPNSPKYHPY YSQTTEFGGV IDLGLSLRTI
QHEIYHSSGQ RYCSNEGYYR KWGYVKVTMD GLVVGRKVCV LDHGSYSTLA HQLEDMFGMQ SVSGLRLFQM
ESEFCLVYRD EEGLWRNAGD VPWNEFIESV ERLRITRRND AVLPF

Sequence Positions

1-185, 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

21,405 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_172959.2

NCBI GI

22329571

NCBI GenBank Nucleotide

NM_101375.3

NCBI GeneID

838070

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY

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mg (E-Coli)/ 0.1 mg (Baculovirus)/ 1 mg (Yeast)/ 0.1 mg (Mammalian-Cell)/ 1 mg (Baculovirus)/ 0.5 mg (Mammalian-Cell)

NCBI Official Full Name

indole-3-acetic acid inducible 34

NCBI Official Symbol

IAA34

NCBI Official Synonym Symbols

indole-3-acetic acid inducible 34; T15D22.10; T15D22_10

NCBI Protein Information

indole-3-acetic acid inducible 34

NCBI Summary

Belongs to auxin inducible gene family.

UniProt Gene Name

IAA34

UniProt Protein Name

Auxin-responsive protein IAA34

UniProt Synonym Protein Names

Indoleacetic acid-induced protein 34

UniProt Primary Accession

Q9C5X0

UniProt Secondary Accession

Q9M9Q0

UniProt Related Accession

Q9C5X0

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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