Auxin-Responsive Protein IAA4 (IAA4) Arabidopsis Thaliana Recombinant Protein

PRODUCT OVERVIEW

Product Name	Auxin-responsive protein IAA4 (IAA4), Recombinant Protein
Full Product Name	Recombinant Arabidopsis thaliana Auxin-responsive protein IAA4 (IAA4)
Product Gene Name	IAA4 recombinant protein
Sequence	MEKVDVYDEL VNLKATELRL GLPGTEETVS CGKSNKRVLP EATEKEIEST GKTETASPPK AQIVGWPPVR SYRKNNVQTK KSESEGQGNY VKVSMDGAPY LRKIDLTMYK QYPELMKSLE NMFKFSVGEY FEREGYKGSD FVPTYEDKDG DWMLVGDVPW EMFVSSCKRL RIMKGSEVKG LGCGGL
Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE. (lot specific)
Preparation and Storage	Store at -20 degrees C. For long-term storage, store at -20 degrees C or -80 degrees C. Store working aliquots at 4 degrees C for up to one week. Repeated freezing and thawing is not recommended.
Molecular Weight	20,975 Da
Sequence Positions	1-186, Full length protein
Tag Information	This protein contains an N-terminal tag and may also contain a C-terminal tag. Tag types are determined by various factors including tag-protein stability, please inquire for tag information.
Sterility	Sterile filter available upon request.
Endotoxin	Low endotoxin available upon request.
3D Structure	ModBase 3D Structure for P33077
Species	Arabidopsis thaliana (Mouse-ear cress)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for IAA4 recombinant protein	MBS1238807 is a recombinant protein targeting IAA4. Also known as Recombinant Arabidopsis thaliana Auxin-responsive protein IAA4 (IAA4). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of IAA4 recombinant protein vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for IAA4. It may not necessarily be applicable to this product.

NCBI GI #	15239950
NCBI GeneID	834390
NCBI Accession #	NP_199183.1
UniProt Primary Accession #	P33077
UniProt Related Accession #	P33077
GenBank Nucleotide #	NM_123736.3
NCBI Official Full Name	AUX/IAA transcriptional regulator family protein

NCBI Official Symbol	ATAUX2-11
NCBI Official Synonym Symbols	AUXIN INDUCIBLE 2-11; IAA4; indole-3-acetic acid inducible 4; MQD19.3; MQD19_3
UniProt Protein Name	Auxin-responsive protein IAA4
UniProt Synonym Protein Names	Auxin-induced protein AUX2-11; Indoleacetic acid-induced protein 4
Protein Family	Auxin-responsive protein
UniProt Gene Name	IAA4
UniProt Synonym Gene Names	AUX2-11
NCBI Protein Information	AUX/IAA transcriptional regulator family protein
NCBI Summary for IAA4	Auxin inducible protein similar to transcription factors.
UniProt Comments for IAA4	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.
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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