Protein AUXIN Signaling F-BOX 2 (AFB2) Arabidopsis Thaliana Recombinant Protein

PRODUCT OVERVIEW

Product Name	Protein AUXIN SIGNALING F-BOX 2 (AFB2), Recombinant Protein
Full Product Name	Recombinant Arabidopsis thaliana Protein AUXIN SIGNALING F-BOX 2 (AFB2) , partial
Product Gene Name	AFB2 recombinant protein
Product Synonym Gene Name	AFB2
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	64,605 Da
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 Q9LW29
Species	Arabidopsis thaliana (Mouse-ear cress)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for AFB2 recombinant protein	MBS1340444 is a recombinant protein targeting AFB2. Also known as Recombinant Arabidopsis thaliana Protein AUXIN SIGNALING F-BOX 2 (AFB2) , partial. Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of AFB2 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 AFB2. It may not necessarily be applicable to this product.

NCBI GI #	18405102
NCBI GeneID	822296
NCBI Accession #	NP_566800.1
UniProt Primary Accession #	Q9LW29
UniProt Related Accession #	Q9LW29
GenBank Nucleotide #	NM_113593.3
NCBI Official Full Name	auxin signaling F-box 2
NCBI Official Symbol	AFB2
NCBI Official Synonym Symbols	auxin signaling F-box 2

UniProt Protein Name	Protein AUXIN SIGNALING F-BOX 2
Protein Family	Protein AUXIN SIGNALING
UniProt Gene Name	AFB2
UniProt Synonym Gene Names	LRF2
NCBI Protein Information	auxin signaling F-box 2
UniProt Comments for AFB2	Component of SCF(ASK-cullin-F-box) E3 ubiquitin ligase complexes, which may mediate the ubiquitination and subsequent proteasomal degradation of target proteins. Confers sensitivity to the virulent bacterial pathogen P.syringae (). Auxin receptor that mediates Aux/IAA proteins proteasomal degradation and auxin-regulated transcription. Involved in embryogenesis regulation by auxin.
Research Articles on AFB2	**1.** Auxin signaling through TIR1/AFB2/AFB3 mediates feedback regulation of indole-3-acetic acid biosynthesis.
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