Peptidyl-Prolyl Cis-Trans Isomerase FKBP12 (FKBP12) Arabidopsis Thaliana Recombinant Protein

PRODUCT OVERVIEW

Product Name	Peptidyl-prolyl cis-trans isomerase FKBP12 (FKBP12), Recombinant Protein
Full Product Name	Recombinant Arabidopsis thaliana Peptidyl-prolyl cis-trans isomerase FKBP12 (FKBP12)
Product Gene Name	FKBP12 recombinant protein
Product Synonym Gene Name	FKBP12
Sequence	MGVEKQVIRP GNGPKPAPGQ TVTVHCTGFG KDGDLSQKFW STKDEGQKPF SFQIGKGAVI KGWDEGVIGM QIGEVARLRC SSDYAYGAGG FPAWGIQPNS VLDFEIEVLS VQ
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	11,988 Da
Sequence Positions	1-112aa; Full-Length
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 Q8LGG0
Species	Arabidopsis thaliana (Mouse-ear cress)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for FKBP12 recombinant protein	MBS1422177 is a recombinant protein targeting FKBP12. Also known as Recombinant Arabidopsis thaliana Peptidyl-prolyl cis-trans isomerase FKBP12 (FKBP12). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of FKBP12 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 FKBP12. It may not necessarily be applicable to this product.

NCBI GI #	15237679
NCBI GeneID	836556
NCBI Accession #	NP_201240.1
UniProt Primary Accession #	Q8LGG0
UniProt Secondary Accession #	O04263

UniProt Related Accession #	Q8LGG0
GenBank Nucleotide #	NM_125831.3
NCBI Official Full Name	FK506-binding protein 12
NCBI Official Symbol	FKBP12
NCBI Official Synonym Symbols	ARABIDOPSIS THALIANA FK506-BINDING PROTEIN 12; ATFKBP12; FK506-binding protein 12; FKP12; IMMUNOPHILIN; MSJ1.19; MSJ1_19
UniProt Protein Name	Peptidyl-prolyl cis-trans isomerase FKBP12
UniProt Synonym Protein Names	12 kDa FK506-binding protein; 12 kDa FKBP; FK506-binding protein 12; AtFKBP12; FKBP-12; Immunophilin FKBP12; Rotamase
Protein Family	Peptidyl-prolyl cis-trans isomerase
UniProt Gene Name	FKBP12
UniProt Synonym Gene Names	FKP12; PPIase FKBP12; 12 kDa FKBP; AtFKBP12
NCBI Protein Information	FK506-binding protein 12
NCBI Summary for FKBP12	Encodes FK506-binding protein 12 (FKBP12 or FKP12). FKP12 overexpression dramatically enhances rapamycin sensitivity, whereas rapamycin inhibition is relieved in transgenic plants deficient in FKP12.
UniProt Comments for FKBP12	PPIases accelerate the folding of proteins. It catalyzes the cis-trans isomerization of proline imidic peptide bonds in oligopeptides (). Mediates rapamycin inactivation of TOR protein kinase activity.
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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