Peptidyl-Prolyl Cis-Trans Isomerase FKBP3 (FKBP3) Rabbit Recombinant Protein

PRODUCT OVERVIEW

Product Name	Peptidyl-prolyl cis-trans isomerase FKBP3 (FKBP3), Recombinant Protein
Full Product Name	Recombinant Rabbit Peptidyl-prolyl cis-trans isomerase FKBP3 (FKBP3)
Product Gene Name	FKBP3 recombinant protein
Sequence	AAAVPQRAWT VEQLRSEQLP KKDIIKFLQD HGSDSFLAEH KLLGNIKNVA KTANKDHLVT AYNHLFETKR FKGSENVTKV SEQVKNVKLN EDKPKETKSE ETPDEGPPKY TKSVLKKGDK TNFPKKGDVV HCWYTGTLQD GTVFDTNIQT SSKKKKNAKP LSFKVGVGKV IRGWDEALLT MSKGEKARLE IEPEWAYGKK GQPDAKIPPN AKLIFEVELV DID
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	25,188 Da
Sequence Positions	2-224, 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 O46638
Species	Rabbit
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for FKBP3 recombinant protein	This protein is a member of the immunophilin protein family, which play a role in immunoregulation and basic cellular processes involving protein folding and trafficking. This encoded protein is a cis-trans prolyl isomerase that binds the immunosuppressants FK506 and rapamycin, as well as histone deacetylases, the transcription factor YY1, casein kinase II, and nucleolin. It has a higher affinity for rapamycin than for FK506 and thus may be an important target molecule for immunosuppression by rapamycin.
Other Notes	Small volumes of FKBP3 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.
Searchable Terms for FKBP3 purchase	MBS1127686 is a recombinant protein targeting FKBP3. Also known as Recombinant Rabbit Peptidyl-prolyl cis-trans isomerase FKBP3 (FKBP3). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for FKBP3. It may not necessarily be applicable to this product.

NCBI GI #	291403798
NCBI GeneID	100009004
NCBI Accession #	XP_002718212.1

UniProt Primary Accession #	O46638
UniProt Related Accession #	O46638
GenBank Nucleotide #	XM_002718166.3
NCBI Official Full Name	peptidyl-prolyl cis-trans isomerase FKBP3
NCBI Official Symbol	FKBP3
NCBI Official Synonym Symbols	FKBP25
UniProt Protein Name	Peptidyl-prolyl cis-trans isomerase FKBP3
UniProt Synonym Protein Names	25 kDa FK506-binding protein; 25 kDa FKBP; FKBP-25; FK506-binding protein 3; FKBP-3; Immunophilin FKBP25; Rapamycin-selective 25 kDa immunophilin; Rotamase
Protein Family	FK506-binding protein
UniProt Gene Name	FKBP3
UniProt Synonym Gene Names	FKBP25; PPIase FKBP3; 25 kDa FKBP; FKBP-25; FKBP-3
NCBI Protein Information	peptidyl-prolyl cis-trans isomerase FKBP3
UniProt Comments for FKBP3	FK506- and rapamycin-binding proteins (FKBPs) constitute a family of receptors for the two immunosuppressants which inhibit T-cell proliferation by arresting two distinct cytoplasmic signal transmission pathways. PPIases accelerate the folding of proteins ().
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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