Peptidyl-Prolyl Cis-Trans Isomerase FKBP5 (FKBP5) Pongo Abelii Recombinant Protein

PRODUCT OVERVIEW

Product Name	Peptidyl-prolyl cis-trans isomerase FKBP5 (FKBP5), Recombinant Protein
Full Product Name	Recombinant Pongo abelii Peptidyl-prolyl cis-trans isomerase FKBP5 (FKBP5)
Product Gene Name	FKBP5 recombinant protein
Product Synonym Gene Name	FKBP5
Sequence	MTTDEGAKNN GESPTATVAE QGEDITSKKD RGVLKIVKRV GNGEETPMIG DKVYVHYKGK LSNGKKFDSS HDRNEPFVFS LGKGQVIKAW DIGVATMKKG EICHLLCKPE YAYGSAGSLP KIPSNATLFF EIELLDFKGE DLFEDGGIIR RTKRKGEGYS NPNEGATVEI HLEGRCGGRM FDCRDVAFTV GEGEDHVIPI GIDKALEKMQ REEQCILYLG PRYGFGEAGK PKFGIEPNAE LIYEVTLKSF EKAKESWEMD TKEKLEQAAI VKEKGTVYFK GGKYMQAVIQ YGKIVSWLEM EYGLSEKESK ASESFLLAAF LNLAMCYSKL REYTKAVECC DKALGLDSAN GKGLYRRGEA QLLMNEFESA KGDFEKVLEV NPQNKAARLQ ISMCQKKAKE HNERDRRIYA NMFKKFAEQD AKEEANKAMG KKTSEGVTNE KGTDSQAMEE EKPEGHV
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	51,026 Da
Sequence Positions	1-457, 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 Q5RF88
Species	Pongo abelii (Sumatran orangutan)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for FKBP5 recombinant protein	MBS1353119 is a recombinant protein targeting FKBP5. Also known as Recombinant Pongo abelii Peptidyl-prolyl cis-trans isomerase FKBP5 (FKBP5). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of FKBP5 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 FKBP5. It may not necessarily be applicable to this product.

NCBI GI #	197101793
NCBI GeneID	100171536
NCBI Accession #	NP_001124689.1
UniProt Primary Accession #	Q5RF88

UniProt Related Accession #	Q5RF88
GenBank Nucleotide #	NM_001131217.1
NCBI Official Full Name	peptidyl-prolyl cis-trans isomerase FKBP5
NCBI Official Symbol	FKBP5
NCBI Official Synonym Symbols	FKBP-5
UniProt Protein Name	Peptidyl-prolyl cis-trans isomerase FKBP5
UniProt Synonym Protein Names	FK506-binding protein 5; FKBP-5; Rotamase
Protein Family	FK506-binding protein
UniProt Gene Name	FKBP5
UniProt Synonym Gene Names	PPIase FKBP5; FKBP-5
NCBI Protein Information	peptidyl-prolyl cis-trans isomerase FKBP5
UniProt Comments for FKBP5	Immunophilin protein with PPIase and co-chaperone activities. Component of unligated steroid receptors heterocomplexes through interaction with heat-shock protein 90 (HSP90). Plays a role in the intracellular trafficking of heterooligomeric forms of steroid hormone receptors maintaining the complex into the cytoplasm when unliganded ().
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