

FK506 Binding Protein 5 Recombinant Protein | FKBP5 recombinant protein

Recombinant Human FK506 Binding Protein 5

CATALOG #
AAA38005

HOST
E coli

PRODUCT SYNONYMS

FK506 Binding Protein 5; Recombinant Human FK506 Binding Protein 5; 54 KDa Progesterone Receptor-Associated Immunophilin; 51 KDa FK506-Binding Protein; Androgen-Regulated Protein 6; HSP90-Binding Immunophilin; FK506-Binding Protein 5; PPIase FKBP5; 51 KDa FKBP; FF1 Antigen; EC 5.2.1.8; Rotamase; FKBP-51; FKBP51; FKBP54; AIG6; P54; Peptidylprolyl Cis-Trans Isomerase; T-Cell FK506-Binding Protein; PPIASE; Ptg-10; FKBP-5; FKBP5.; FKBP5 recombinant protein

PRODUCT SPECIFICATIONS

Host	E coli
Purity/Purification	Greater than 90.0% as determined by SDS-PAGE.
Form/Format	FKBP5 was filtered (0.4um) and lyophilized in 20mM Tris buffer and 50mM NaCl, pH 7.5.!!Solubility
Sequence	MKHHHHHHAS MTTDEGAKNN EESPTATVAE QGEDITSKKD RGVLKIVKRV NGGEETPMIG DKVYVHYK GK LSNGKKFDSS HDRNEPFVFS LGKGQVIKAW DIGVATMKKG EICHLLCKPE YAYGSAGSLP KIPSNATLFF EIELLDFKGE DLFEDGGIIR RTKRKGEGYS NPNEGATVEI HLEGRCGGRM FDCRDVAFTV GEGEDHDIPI GIDKALEKMQ REEQCILYLG PRYGFGEAGK PKFGIEPNAE LIYEVTLKSF EKAKESWEMD TKEKLEQAAI VKEKGTVYFK GGKYMQAVIQ YGKIVSWLEM EYGLSEKESK ASESFLLAAF LNLAMCYLKL REYTKAVECC DKALGLDSAN EKGLYRRGEA QLLMNEFESA KGDFEKVLEV NPQNKAARLQ ISMCQKKAKE HNERDRRIYA NMFKKFAEQD AKEEANKAMG KKTSEGV TNE KGTDSQAMEE EKPEGHV.
Sequence Length	457
Physical Appearance	Filtered White lyophilized (freeze-dried) powder.
Solubility	It is recommended to add deionized water to prepare a working stock solution of approximately 0.5mg/ml and let the lyophilized pellet dissolve completely. Filter sterilize your culture media/working solutions containing this non-sterile FKBP5 before using in cell culture.
Preparation and Storage	Store lyophilized protein at -20°C. Aliquot the product after reconstitution to avoid repeated freezing/thawing cycles. Reconstituted protein can be stored at 4°C for a limited period of time; it does not show any change after two weeks at 4°C.

ADDITIONAL INFORMATION

Related Product Information for FKBP5 recombinant protein	Introduction: FK506 Binding Protein 5 (FKBP5) belongs to the immunophilin protein family, which has a role in immunoregulation and basic cellular processes involving protein folding and trafficking. FKBP5 is a cis-trans prolyl isomerase, which binds to the immunosuppressants FK506 and rapamycin. FKBP5 is an immunophilin protein with PPIase and co-chaperone activities. FKBP5 is assumed to mediate calcineurin inhibition. FKBP5 is a component of unligated steroid receptors heterocomplexes through interaction with heat-shock protein 90 (HSP90). In addition, FKBP5 interacts functionally with mature hetero-oligomeric progesterone receptor complexes along with the 90 kDa heat shock protein and P23 protein. Desription: FKBP5 Human Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain (Met1-Val457) containing 467 amino acids including a 10 aa His tag at N-terminus. The total calculated molecular mass is 52.5kDa.
Product Categories/Family for FKBP5 recombinant protein	Enzymes

NCBI AND UNIPROT INFORMATION

NCBI GI #	83404904
NCBI GeneID	2289
Molecular Weight	30,032 Da
NCBI Official Full Name	FK506 binding protein 5
NCBI Official Synonym Full Names	FK506 binding protein 5
NCBI Official Symbol	FKBP5
NCBI Official Synonym Symbols	P54; AIG6; FKBP51; FKBP54; PPIase; Ptg-10
NCBI Protein Information	peptidyl-prolyl cis-trans isomerase FKBP5
UniProt Protein Name	Peptidyl-prolyl cis-trans isomerase FKBP5
UniProt Gene Name	FKBP5
UniProt Synonym Gene Names	AIG6; FKBP51; PPIase FKBP5; 51 kDa FKBP; FKBP-51; FKBP-5; p54
UniProt Entry Name	FKBP5_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/fkbp5-recombinant-protein-e-coli/38005>