

FK506 Binding Protein 5 Human Recombinant

Item Number	rAP-1118
Synonyms	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, PPlase FKBP5, 51 KDa FKBP, FF1 Antigen, EC 5.2.1.8, Rotamase, F
Description	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.
Uniprot Accesion Number	Q13451
Amino Acid Sequence	MKHHHHHHASMTTDEGAKNN EESPTATVAE QGEDITSKKD RGVLKIVKRV GNGEETPMIG DKVYVHYK GK LSN GK KFDSS HDRNEPFVFS LGKGQVIKAW DIGVATMKKG EICHL LCKPE YAYGSAGSLP KIPS NATLFF EI ELLDFKGE DLFEDGGIIR RTKRK GEGYS NPNEGATVEI HLEGRCGGRM FDCRDVAFTV GEGEDHDIPI GIDKALEKMQ REEQCILYLG PRYGFGEAGK PKFGIEPNAE LIYEVTLKSF EKAKESWEMD TKEKLEQAAI VKEKGTVYFK GGYMQAVIQ YGKIVSWLEM EYGLSEKESK ASESFLAAF LNLAMCYLKL REYTKAVECC DKALGLDSAN EKGLYRRGEA QLLMNEFESA KGD- FEKVLEV NPQNKAARLQ ISMCQKAKE HNERDRRIYA NMFKKFAEQD AKEEANKAMG KKTSEGV TNE KGTDSQAMEE EKPEGHV.
Source	Escherichia Coli.
Physical Appearance and Stability	Filtered White lyophilized (freeze-dried) powder. 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.
Formulation and Purity	FKBP5 was filtered (0.4µm) and lyophilized in 20mM Tris buffer and 50mM NaCl, pH 7.5. Greater than 90.0% as determined by SDS-PAGE.
Application	
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
Biological Activity	
Shipping Format and Condition	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**