

FK506 Binding Protein 6 Human Recombinant

Item Number	rAP-1114
Synonyms	FKBP36, EC 5.2.1.8, FKBP-6, PPlase, MGC87179, FK506-binding protein 6, Rotamase.
Description	FKBP6 Human Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 347 amino acids (1-327 a.a.) and having a molecular mass of 39.3 kDa. FKBP6 protein is fused to a 20 amino acid His tag at N-terminus and is purified by standard chromatog-
Uniprot Accession Number	O75344
Amino Acid Sequence	MGSSHHHHHH SSGLVPRGSH MGGSALNQQV LEGDDAPGQS LYERLSQRML DISGDRGVLK DVIREGAGDL VAPDASVLVK YSGYLEHMDR PFDSNYFRKT PRLMKLGEDI TLWGMELGLL SMRRGELARF LFKPNYAYGT LGCPPLIPPN TTVLFEIELL DFLDCAESDK FCALSAEQQD QFPLQKVLKV AATEREFGNY LFRQNRFYDA KVRYSKRALLL LRRRSAPPEE QHLVEAAKLP VLLNLSFTYL KLDRTIALC YGEQALIIDQ KNAKALFRCG QACLLLEYQ KARDFLVRAQ KEQPFNHDIN NELKKLASCY RDYVDKEKEM WHRMFAPCGD GSTAGES.
Source	
Physical Appearance and Stability	Sterile filtered colorless solution. Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.
Formulation and Purity	FKBP6 Human solution containing 20mM Tris-HCl pH-8, 1mM DTT, 1mM EDTA, 50mM NaCl & 40% glycerol. Greater than 95% as determined by SDS-PAGE.
Application	
Solubility	
Biological Activity	Specific activity is > 190 nmoles/min/mg, and is defined as the amount of enzyme that cleaves 1umole of suc-AAFP-pNA per minute at 25C in Tris-Hcl pH8.0 using chymotrypsin.
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**