FK506 Binding Protein 4 Human Recombinant

Item Number	rAP-1111
Synonyms	HBI, p52, Hsp56, FKBP52, FKBP59, PPIase, FKBP4, FK506-binding protein 4, Peptidyl-prolyl cis-trans isomerase, HSP-binding immunophilin, FKBP52 protein, 52 kDa FK506-binding protein, p59 protein.
Description	FKBP4 produced in E.Coli is a single,non-glycosylated polypeptide chain containing 479 amino acids (1-459 a.a.) and having a molecular mass of 53.9 kDa.FKBP4 is fused to a 20 amino acid His Tag at N-terminus and purified by proprietary chromatographic techniques.
Uniprot Accesion Number	Q02790
Amino Acid Sequence	MGSSHHHHHH SSGLVPRGSH MTAEEMKATE SGAQSAPLPM EGVDISPKQD EGVLKVIKRE GTG-TEMPMIG DRVFVHYTGW LLDGTKFDSS LDRKDKFSFDLGKGEVIKAW DIAIATMKVG EVCHITCKPE YAYGSAGSPP KIPPNATLVF EVELFEFKGE DLTEEEDGGI IRRIQTRGEG YAKPNEGAIV EVA-LEGYYKDKLFDQRELRF EIGEGENLDL PYGLERAIQR MEKGEHSIVY LKPSYAFGSV GKEKFQIPPN AELKYELHLK SFEKAKESWE MNSEEKLEQS TIVKERGTVYFKEGKYKQAL LQYKKIVSWL EYESS-FSNEE AQKAQALRLA SHLNLAMCHL KLQAFSAAIE SCNKALELDS NNEKGLFRRG EAHLAVNDFE LA-RADFQKVLQLYPNNKAAK TQLAVCQQRI RRQLAREKKL YANMFERLAE EENKAKAEAS SGDHPTDTEM KEEQKSNTAG SQSQVETEA.
Source	Escherichia Coli.
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	The FKBP4 protein solution contains 20mM Tris-HCl, pH-8 and 10% glycerol. Greater than 90.0% as determined by SDS-PAGE.
Application	
Solubility	
Biological Activity	Specific activity is > 300 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 pH 8.0 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