

## Active Recombinant Human FK506 Binding Protein 2, 13kDa

Cat. No. FKBP2-1288H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	FKBP2 Human Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 122 amino acids (22-142 a.a.) and having a molecular mass of 13.4 kDa. The FKBP2 is purified by proprietary chromatographic techniques.
<b>Species</b>	Human
<b>Source</b>	Human
<b>ProteinLength</b>	22-142 a.a.
<b>Description</b>	FKBP2 is part of the immunophilin protein family, which takes part in immunoregulation and basic cellular processes involving protein folding and trafficking. FKBP2 is a cis-trans prolyl isomerase that binds the immunosuppressants FK506 and rapamycin. FKBP2 functions as an ER chaperone and as a component of membrane cytoskeletal scaffolds.
<b>Form</b>	The FKBP2 solution contains 20mM Tris-HCl pH-8, 1mM DTT, and 10% glycerol.
<b>Purity</b>	Greater than 90% as determined by SDS-PAGE.
<b>Bio-activity</b>	Specific activity is > 150 nmoles/min/ug, and is defined as the amount of enzyme that cleave 1umole of suc-AAFP-pNA per minute at 1C in Tris-Hcl pH8.0 using chymotrypsin.
<b>Physical Appearance</b>	Sterile Filtered clear colorless solution.

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**Amino acid sequence** MATGAEGKRK LQIGVKKRVD HCPIKSRKGD VLHMHYTGKL EDGTEFDSSL PQNQPFVFSL GTGQVIKGWD QLLGMCEGE KRKLVIPSEL GYGERGAPPK IPGGATLVFE VELLKIERT EL.

**Storage** FKBP2 Recombinant Human although stable at 4°C for 30 days, should be stored desiccated below -20°C for periods greater than 30 days. Please avoid freeze-thaw cycles.

## GENE INFORMATION

**Gene Name** FKBP2 FK506 binding protein 2, 13kDa [ Homo sapiens ]

**Official Symbol** FKBP2

**Synonyms** FKBP2; FK506 binding protein 2, 13kDa; PPIase; FKBP-13; FKBP2; peptidyl-prolyl cis-trans isomerase FKBP2; FKBP-2; rotamase; 13 kDa FKBP; PPIase FKBP2; proline isomerase; immunophilin FKBP13; rapamycin-binding protein; 13 kDa FK506-binding protein; EC 5.2.1.8; FK506-binding protein 2; Rotamase; Immunophilin FKBP13; 13 kDa FK506-binding protein; Peptidyl-prolyl cis-trans isomerase; rapamycin-binding protein

**Gene ID** 2286

**mRNA Refseq** NM\_001135208

**Protein Refseq** NP\_001128680

**MIM** 186946

**UniProt ID** P26885

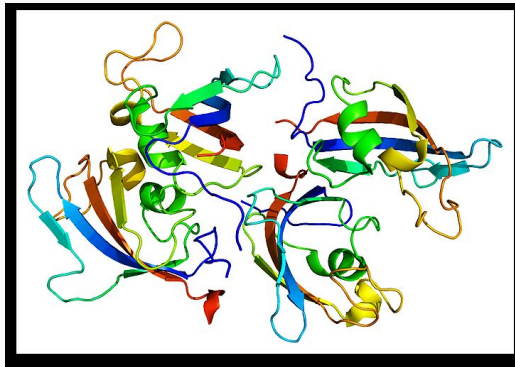
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<b>Chromosome Location</b>	11q13.1-q13.3
<b>Function</b>	FK506 binding; isomerase activity; peptidyl-prolyl cis-trans isomerase activity; protein binding

PDBrendering based on 2pbc.



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