

Active Recombinant Human FK506 Binding Protein 2, 13kDa

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

SPECIFICATION

Product Overview	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.
Species	Human
Source	Human
ProteinLength	22-142 a.a.
Description	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.
Form	The FKBP2 solution contains 20mM Tris-HCl pH-8, 1mM DTT, and 10% glycerol.
Purity	Greater than 90% as determined by SDS-PAGE.
Bio-activity	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.
Physical Appearance	Sterile Filtered clear colorless solution.

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Amino acid sequence	MATGAEGKRK LQIGVKKRVD HCPIKSRKGD VLHMHYTGKL EDGTEFDSSL PQNQPFVFSL GTGQVIKQWD QGLLGMCEGE KRKLVIPSEL GYGERGAPPK IPGGATLVFE VELLKIERRT 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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Chromosome Location	11q13.1-q13.3
Function	FK506 binding; isomerase activity; peptidyl-prolyl cis-trans isomerase activity; protein binding

PDBrendering based on 2pbc.

