

Recombinant Human FKBP2

Cat. No. FKBP2-28913TH Lot. No. (See product label)

SPECIFICATION

Product Overview Recombinant Human full-length mature FKBP2, amino acids 22-142, predicted MWt 13.4 kDa.

Species Human

Source E.coli

ProteinLength 121 amino acids

Description The protein encoded by this gene is a member of the immunophilin protein family, which play a role in immunoregulation and basic cellular processes involving protein folding and trafficking. This encoded protein is a cis-trans prolyl isomerase that binds the immunosuppressants FK506 and rapamycin. It is thought to function as an ER chaperone and may also act as a component of membrane cytoskeletal scaffolds. Multiple alternatively spliced variants, encoding the same protein, have been identified.

Molecular Weight 13.400kDa

Tissue specificity T-cells and thymus.

Biological 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.

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Form	Liquid
Purity	>90% by SDS-PAGE
Storage buffer	pH: 8.00 Constituents: 10% Glycerol, 0.32% Tris HCl, 0.02% DTT
Storage	Please see Notes section
Sequences of amino acids	MATGAEGKRK LQIGVKKRVD HCPIKSRKGD VLHMHYTGKL EDGTEFDSSL PQNQPFVFSL GTGQVIKGD QLLGMCEGE KRKLVIPSEL GYGERGAPPK IPGGATLVFE VELLKIERT EL.
Sequence Similarities	Belongs to the FKBP-type PPlase family. FKBP2 subfamily. Contains 1 PPlase FKBP-type domain.
GENE INFORMATION	
Gene Name	FKBP2 FK506 binding protein 2, 13kDa [Homo sapiens]
Official Symbol	FKBP2
Synonyms	FKBP2; FK506 binding protein 2, 13kDa; FK506 binding protein 2 (13kD); peptidyl-prolyl cis-trans isomerase FKBP2; FKBP 13; peptidyl prolyl cis trans isomerase; PPlase; proline isomerase; rapamycin binding protein;
Gene ID	2286
mRNA Refseq	NM_001135208
Protein Refseq	NP_001128680

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MIM	186946
Uniprot ID	P26885
Chromosome Location	11q13.1-q13.3
Function	FK506 binding; isomerase activity; peptidyl-prolyl cis-trans isomerase activity; protein binding;

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