

**FKBP2, 22-142aa, Human, E.coli**

**Cat.NO.: TP02135**

3th Edition

**Synonyms:**Peptidyl-prolyl cis-trans isomerase FKBP2, FKBP-13, PPIase.

**Description:**FKBP2 is peptidyl proline isomerase enzyme and a member of the immunophilin protein family. This protein is predominantly expressed in thymus and T cells and plays a role in immunoregulation and basic cellular processes involving protein folding and trafficking. It is a cis-trans prolyl isomerase that binds the immunosuppressants FK506 and rapamycin. FKBP2 is thought to function as an ER chaperone and may also act as a component of membrane cytoskeletal scaffolds. Recombinant FKBP2 protein was expressed in E.coli and purified by using conventional chromatography techniques.

**Form:**Liquid. In 20mM Tris buffer(pH 8.0) containing 10% glycerol, 1mM DTT.

**Molecular Weight:**13.4 kDa (122aa), confirmed by MALDI-TOF

**Sequences:**

MATGAEGKRKRLQIGVKKRVDHCPIKSRKGDVLMHYTGKLEDGTEFDSSLPQNQPFVFLSGTGQVIKQWDQGLLG  
MCEGEKRKRLVIPSELGYGERGAPPKIPGGATLVFEVELLKIERRTEL

**Purity:**> 95% by HPLC

**Concentration:**1 mg/ml (determined by Bradford assay)

**Endotoxin Level:**<1.0 EU per 1 ug of protein (determined by LAL method)

**Storage:**Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.