

FKBP2, 22-142aa, Human, E.coli**Cat.NO.: TP02135**

3th Edition

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

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:

MATGAEGKRKLQIGVKKRVDHCPIKSRKGDVLHMHYTGKLEDGTEFDSSLPQNQPVFSLGTGQVIKGWDQGLLG
MCEGEKRLVIPSELGYGERGAPPKIPGGATLVFEVELLKIERTEL

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.