

**FKBP14, 20-211aa, Human, His tag, E.coli**

**Cat.NO.: TP02131**

3th Edition

**Synonyms:**Peptidyl-prolyl cis-trans isomerase FKBP14, FKBP22

**Description:**FKBP14, also known as 22 kDa FK506-binding protein, is an enzyme that accelerates the folding of proteins during protein synthesis. This protein contains two EF-hand domains and one PPIase FKBP-type domain. Truncation of the amino-terminus of FKBP14 greatly reduces peptidyl prolyl cis-trans isomerase activity, therefore suggesting that the PPIase FKBP-type domain must be located at the N-terminus. Recombinant human FKBP14 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography.

**Form:**Liquid in Phosphate-Buffered Saline (pH 7.4) containing 10% glycerol

**Molecular Weight:**24.2 kDa (213aa) confirmed by MALDI-TOF

**Sequences:**

MGSSHHHHHHSSGLVPRGSHMALIPEPEVKIEVLQKPFICHRKTKGGDLMLVHYEGYLEKDGSLEFHSTHKHNNGQ  
PIWFTLGILEALKGWDQGLKGMCVGEKRKLIIPPALGYGKEGKGGKIPPESTLIFNIDLLEIRNGPRSHESFQEMDLND  
DWKLSKDEVKAYLKKFEFEKHGAVVNESHHDALVEDIFDKEDDKDGFISAREFTYKHDEL

**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.