

**FKBP3, 1-224aa, Human, E.coli**

**Cat.NO.: TP02136**

3th Edition

**Synonyms:**FK506 binding protein 3, FKBP25, PPIase FKBP3, Rotamase

**Description:**FK506 binding protein 3 (FKBP3), also known as FKBP25, is a member of the immunophilin protein family, which play a role in immunoregulation and basic cellular processes involving protein folding and trafficking. FKBP3 associates with transcriptional repressor protein YY1 and histone deacetylases, HDAC1 and HDAC2. Also, FKBP3 may contain several casein kinase II phosphorylation sites, which are believed to be important for cell growth regulation. It is localized in the nucleus and is expressed in the brain, testis, ovary, and spleen. Recombinant human FKBP3 was expressed in E.coli and purified by using conventional chromatography techniques.

**Form:**Liquid. In 20mM Tris-HCl buffer (pH8.0) containing 1mM DTT, 10% glycerol

**Molecular Weight:**25.1 kDa (224aa), confirmed by MALDI-TOF

**Sequences:**

MAAAVPQRAWTVELRSEQLPKKDIKFLQEHGSDSFLAEHKLLGNIKNVAKTANKDHLVTAYNHLFETKRFKGTES  
ISKVSEQVKNVKNLNEKPKETKSEETLDEGPPKYTKSVLKKGDKTNFPKKGDVVHCWYTGTLQDGTVFDTNIQTSA  
KKKKNAKPLSFKVGVGKVIKRWDEALLTMSKGEKARLEIEPEWAYGKKGQPDAKIPPNAKLTFELEVELDID

**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.