

FKBP1B, 1-108aa, Human, His tag, E.coli

Cat.NO.: TP02134

3th Edition

Synonyms:Peptidyl-prolyl cis-trans isomerase FKBP1B, FKBP12.6, FKBP1L, OTK4, PKBP1L, PPIase

Description:FKBP1B, also known as peptidyl-prolyl cis-trans isomerase FKBP1B, is a member of the immunophilin protein family which plays a role in immunoregulation and basic cellular processes involving protein folding and trafficking. This protein is a cis-trans prolyl isomerase that binds the immunosuppressants FK506 (tacrolimus) and rapamycin (sirolimus). It is highly similar to the FK506-binding protein 1A. Its physiological role is thought to be in excitation-contraction coupling in cardiac muscle. Recombinant human FKBP1B protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography.

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

Molecular Weight:14.2 kDa (130aa), confirmed by MALDI-TOF

Sequences:

MGSSHHHHHHSSGLVPRGSHRSMGVEIETISPGDGRTFPKKGQTCVVHYTGMLQNGKKFDSSRDRNKPFRIG
KQEVIKGFEEGAAQMSLGQRAKLTCTPDVAYGATGHPGVIPP NATLIFDVELLNLEtmp/IBATGP1267

Purity:> 95% by HPLC

Concentration:0.25 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.