

FKBP6, 1-327aa, Human, His tag, E.coli

Cat.NO.: TP02138

3th Edition

Synonyms:FK506 binding protein 6, 36kDa, FKBP36, PPIase FKBP6

Description:FK506 binding protein 6, also known as FKBP6, is a member of the immunophilin protein family, which play a role in immunoregulation and basic cellular processes involving protein folding and trafficking. Ubiquitously expressed in all tissues, FKBP6 is present at highest levels in testis, liver, kidney, skeletal muscle and heart. Deletion of FKBP6 may contribute to hypercalcemia and growth delay in Williams-Beuren syndrome. Recombinant human FKBP6, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

Form:Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 1mM DTT, 40% glycerol, 1mM EDTA, 50mM NaCl

Molecular Weight:39.3 kDa (347aa), confirmed by MALDI-TOF

Sequences:

MGSSHHHHHHSSGLVPRGSHMGGSSALNQGVLGDDAPGQSLYERLSQRMLDISGDRGVLKDVIREGAGDLVAPD
ASVLVKYSGYLEHMDRPFDSNYFRKTPRLMKLGEDITLWGMELGLLSMRRGELARFLFKPNYAYGTLCGPLIPP
TTVLFEIELLDFLDCAESDKFCALSAEQDQFPLQKVLKVAATEREFGNYLFRQNRFYDAKVRYKRALLLRRSAP
PEEQHLVEAAKLPVLLNLSFTYLKLD RPTIALCYGEQALIIDQKNAKALFRCGQACLLLTEYQKARDFLVRAQKEQPF
NHDINNELKKLASCYRDYVDKEKEMWHRMFAPCGDGSTAGES

Purity:> 95% by HPLC

Concentration:0.5mg/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.