

FKBP4, 1-459aa, Human, His-tagged, Recombinant, E.coli

Cat.NO.: TP02137

3th Edition

Synonyms:FK506 binding protein 4, FKBP52, FKBP59, HBI, Hsp56, p52, PPlase

Description:FKBP4, also known as FKBP52, is a member of the immunophilin protein family, which play a role in immunoregulation and basic cellular processes involving protein folding and trafficking. It is a component of unactivated mammalian steroid receptor complexes and may play a role in the intracellular trafficking of heterooligomeric forms of the steroid hormone receptors. It interacts with interferon regulatory factor-4 and plays an important role in immunoregulatory gene expression in B and T lymphocytes. Recombinant human FKBP4 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography.

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

Molecular Weight:53.9 kDa (479 aa), confirmed by MALDI-TOF

Sequences:

MGSSHHHHHHSSGLVPRGSHMTAEEMKATESGAQSAPLPMEGVDISPKQDEGVLKVIKREGTGTEMPMIGDRVF
VHYTGWLLDGTKFDSSLDRKDKFSFDLGKGEVIKAWDIAIATMKVGEVCHITCKPEYAYGSAGSPPKIPP NATLVFE
VELFEFKGEDLTEEEDGGIIRRIQTRGEGYAKPNEGAIVEVALEGYYKDKLFDQRELRFEGEGENLDLPYGLERA IQ
RMEKGEHSIVYLKPSYAFGSVGKEKFQIPPNAELKYELHLKSFEKAKESWEMNSEEKLEQSTIVKERGT VYFKEGKY
KQALLQYKKIVSWLEYESSFSNEEAQKAQALRLASHLNLAMCHLKLQAFSAAIESCNKALELDSNNEKGLFRRGEA
HLAVNDFELARADFQKVLQLYPNNKAAKTQLAVCQQRIRRLAREKKLYANMFERLAEEENKAKAEASSGDHPTDT
EMKEEQKSNTAGSQSQVETEA

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.