

Recombinant human FKBP36/FKBP6 protein

Catalog Number: ATGP0560

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-327aa

UniProt No.

O75344

NCBI Accession No.

NP_003593.3

Alternative Names

Inactive peptidyl-prolyl cis-trans isomerase FKBP6, Inactive PPIase FKBP6, 36 kDa FK506-binding protein, 36 kDa FKBP, FKBP-36, FK506-binding protein 6, FKBP-6, Immunophilin FKBP36, peptidylprolyl cis-trans isomerase, Rotamase

PRODUCT SPECIFICATION

Molecular Weight

39.3 kDa (347aa) confirmed by MALDI-TOF

Concentration

0.5mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 1mM DTT, 40% glycerol, 1mM EDTA, 0.2M NaCl

Purity

> 95% by SDS-PAGE

Endotoxin level

< 1 EU per 1ug of protein (determined by LAL method)

Biological Activity

Specific activity is > 190nmol/min/mg, and is defined as the amount of enzyme that cleaves 1umole of suc-AAPF-pNA per minute at 25C in Tris-Hcl pH8.0 using chymotrypsin.

Tag

His-Tag

Application

SDS-PAGE, Enzyme Activity

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

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BACKGROUND

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.

Amino acid Sequence

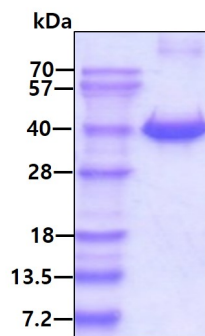
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General References

Crackower MA., et al. (2003) Science. 300(5623):1231-5.
Metcalf K., et al. (2005) Clin Dysmorphpl. 14(2): 61-5.

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain