

Human Recombinant FKBP6

CATALOG #: 6344-50 50 µg

ALTERNATE NAMES: FK506 binding protein 6, FKBP36, PPIase FKBP6.

SOURCE: E.Coli

PURITY: > 95% by SDS - PAGE

MOL. WEIGHT: 39.3 kDa (347 aa, 1-327 aa + NT His Tag)

FORMULATION: 0.5 mg/ml solution in 20 mM Tris-HCl buffer (pH 8.0) containing 1 mM DTT, 40% glycerol, 1 mM EDTA and 50 mM NaCl.

STORAGE CONDITIONS:

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.

DESCRIPTION:

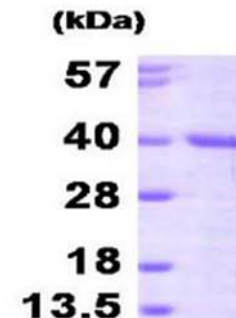
FKBP6 is part of the immunophilin protein family, and is involved in immunoregulation and basic cellular functions involving protein folding and trafficking. FKBP6 is widely expressed in all tissues, FKBP6 is present at utmost levels in testis, liver, kidney, skeletal muscle and heart. Deletion of FKBP6 contributes to hypercalcemia and growth delay in Williams-Beuren syndrome.

AMINO ACID SEQUENCE:

MGSSHHHHH SSGLVPRGSH MGGSALNQGVS LEGDDAPGQS LYERLSQRML
 DISGDRGVLK DVIREGAGDL VAPDASVLVK YSGYLEHMDR PFDSNYFRKT PRLMKLGEDI
 TLWGMELGLL SMRRGELARF LFKPNYAYGT LGCPPLIPPN TTVLFEIELL DFLDCAESDK
 FCALSAEQQD QFPLQKVLKV AATEREFGNY LFRQNRFYDA KVRVKRALLL LRRRSAPPEE
 QHLVEAAKLP VLLNLSFTYL KLDRTIALC YGEQALIIDQ KNAKALFRCG QACLLLTEYQ
 KARDFLVRAQ KEQPFNHIN NELKKLASCY RDYVDKEKEM WHRMFAPCGD GSTAGES

BIOLOGICAL ACTIVITY:

Specific activity is > 190 nmoles/min/mg, and is defined as the amount of enzyme that cleaves 1 µmole of suc-AAFP-pNA per minute at 25°C in Tris HCl pH 8.0 using chymotrypsin.



15% SDS-PAGE (3µg)
Human Recombinant FKBP6

RELATED PRODUCTS:

- FKBP12 Antibody (Cat. No. 3635-100)
- FKBP12 Blocking Peptide (Cat. No. 3635BP-50)
- FKBP38 Antibody (Cat. No. 3666-100)
- FKBP38 Blocking Peptide (Cat. No. 3666BP-50)
- FKBP52/Hsp56 Antibody (Cat. No. 3880-100)
- FKBP52/Hsp56 Blocking Peptide (Cat. No. 3880BP-50)
- Human recombinant FKBP1a (Cat. No. 6340-100)
- Human recombinant FKBP1B (Cat. No. 6341-100)
- Human recombinant FKBP3 (Cat. No. 6342-100)
- Human recombinant FKBP4 (Cat. No. 6343-100)
- Human recombinant FKBP6 (Cat. No. 6344-100)
- Human recombinant FKBP6L (Cat. No. 6345-100)

FOR RESEARCH USE ONLY! Not to be used in humans.