

FKBP6 Human

Description:FKBP6 Human Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 347 amino acids(1-327 a.a.) and having a molecular mass of 39.3 kDa. FKBP6 protein is fused to a 20 amino acid His tag at N-terminus and is purified by standard chromatography.

Catalog #:ENPS-523

For research use only.

Synonyms:FKBP36, EC 5.2.1.8, FKBP-6, PPIase, MGC87179, FK506-binding protein 6, Rotamase.

Physical Appearance:Sterile filtered colorless solution.

Amino Acid Sequence:MGSSHHHHHH SSGLVPRGSH MGGSALNQGVL EGDDAPGQS
LYERLSQRML DISGDRGVLK DVIREGAGDL VAPDASVLVK YSGYLEHMDRPFDSNYFRKT
PRLMKLGEDI TLWGMELGLL SMRRGELARF LFKPNYAYGT LGCPPLIPPN TTVLFEIELL
DFLDCAESDK FCALSAEQQD QFPLQKVLKV AATEREFGNY LFRQNRFYDA KVMRYKRALLL
LRRRSAPPEE QHL

Purity:Greater than 95% as determined by SDS-PAGE.

Formulation:

FKBP6 Human solution containing 20mM Tris HCL pH-8, 1mM DTT, 1mM EDTA, 50mM NaCl & 40% glycerol.

Stability:

FKBP6 Human although stable at 4°C for 1 week, should be stored desiccated below -18°C. Please prevent freeze thaw cycles.

Usage:

NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. They may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

Introduction:

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.

Biological Activity:

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

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