www.neobiolab.com
info@neobiolab.com
888.754.5670, +1 617.500.7103 United States
0800.088.5164, +44 020.8123.1558 United Kingdom

FKBP6 Human

Catalog #:ENPS-523

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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.

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 MGGSALNQGV LEGDDAPGQS LYERLSQRML DISGDRGVLK DVIREGAGDL VAPDASVLVK YSGYLEHMDRPFDSNYFRKT PRLMKLGEDI TLWGMELGLL SMRRGELARF LFKPNYAYGT LGCPPLIPPN TTVLFEIELL DFLDCAESDK FCALSAEQQD QFPLQKVLKV AATEREFGNY LFRQNRFYDA KVRYKRALLL LRRRSAPPEE QHL

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

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

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

Usage:
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Introduction:
FKBP6 is part of the immunophilin protein family, and is involved in immunoregulation and basic cellular functions involving protein folding and trafficking. FKBP6is 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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