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## Product Data Sheet

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Product Name: FKBP6 Human  
 Cat. No.: GP21632  
 Batch No.: 1

### Product Data

Purity	>98%	Source	
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	FKBP36; EC 5.2.1.8; FKBP-6; PPIase; MGC87179; FK506-binding protein 6; Rotamase.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MGGALNQGVLV LEGDDAPGQS LYERLSQRML DISGDRGVK DVIREGAGDL VAPDASVLVK YSGYLEHMDR PFDSNYFRKT PRLMKLGEDL TLWGMELGLL SMRRGELARF LFKPNYAYGT LGCPPLIPPN TTVLFEIELL DFLDCAESDK FCALSAEQQD QFPLQKVLKV AATEREFGNY LFRQNRFYDA KVRYSKRALLL LRRRSAPPEE QHLVEAAKLP VLLNLSFTYL KLDRTIALC YGEQALIIDQ KNAKALFRCG QACLLLTEYQ KARDFLVRAQ KEQPFNHDIN NELKKLASCY RYVDKEKEM WHRMFAPCGD GSTAGES.		
Formulation	FKBP6 Human solution containing 20mM Tris-HCl pH-8, 1mM DTT, 1mM EDTA, 50mM NaCl & 40% glycerol.		

### 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.

### Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store. frozen at -20°C for longer

**Caution: Product has not been fully validated for medical applications. For research use only.**

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periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

### Background

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.

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