
Product Data Sheet

Product Name: FKBP2 Human
 Cat. No.: GP21628
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	FKBP13; FKBP-2; Peptidyl-prolyl cis-trans isomerase FKBP2; PPIase FKBP2; FK506-binding protein 2; Rotamase; Immunophilin FKBP13; 13 kDa FK506-binding protein; 13 kDa FKBP; FKBP-13; FKBP2; PPIase.		
Amino Acid Sequence	MATGAEGKRK LQIGVKKRVD HCPIKSRKGD VLHMHYTGKL EDGTEFDSSL PQNQPFVFSL GTGQVIKQWD QLLGMCEGE KRKLVIPSEL GYGERGAPPK IPGGATLVFE VELLKIERRT EL.		
Formulation	The FKBP2 solution contains 20mM Tris-HCl pH-8, 1mM DTT, and 10% glycerol.		

Introduction

FKBP2 is part of the immunophilin protein family, which takes part in immunoregulation and basic cellular processes involving protein folding and trafficking. FKBP2 is a cis-trans prolyl isomerase that binds the immunosuppressants FK506 and rapamycin. FKBP2 functions as an ER chaperone and as a component of membrane cytoskeletal scaffolds.

Biological Activity

Specific activity is > 270 nmoles/min/ug, 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 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

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

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FKBP2 Human Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 122 amino acids (22-142 a.a.) and having a molecular mass of 13.4 kDa. The FKBP2 is purified by proprietary chromatographic techniques.

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