

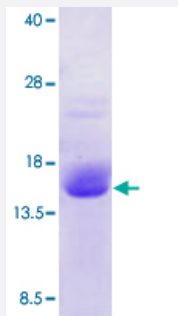
Bioactive

FKBP2 (Human) Recombinant Protein

Catalog # P3503

Size 50 ug

Applications



Specification

Product Description	Human FKBP2 (NP_001128680, 22 a.a. - 142 a.a.) partial recombinant protein expressed in <i>Escherichia coli</i> .
Sequence	MATGAEGKRKLQIGVKRVDHCPIKSRKGDVLHMHYTGKLEDGTEFDSSLPQNQPFVFSLGTGQ VIKGWDQGLLGMCEGEKRLVIPSELGYGERGAPPKIPGGATLVFEVELLKIERTEL
Host	Escherichia coli
Theoretical MW (kDa)	13.4
Form	Liquid
Preparation Method	<i>Escherichia coli</i> expression system
Purification	Conventional Chromatography
Concentration	1 mg/mL
Purity	> 90% by SDS-PAGE
Activity	Specific activity is > 270 nmoles/min/ug, and is defined as the amount of enzyme that cleaves 1umol e of suc-AAPF-pNA per minute at 25°C in Tris-HCl pH 8.0 using chymotrypsin.
Quality Control Testing	Loading 3 ug protein in 15% SDS-PAGE

Storage Buffer

In 20 mM Tris buffer, pH 8.0 (10% glycerol, 1 mM DTT).

Storage Instruction

Store at 2°C to 8°C for 1 week. For long term storage, aliquot and store at -20°C to -80°C.
Aliquot to avoid repeated freezing and thawing.

Applications

- Functional Study
- SDS-PAGE

Gene Info — FKBP2

Entrez GeneID[2286](#)**Protein Accession#**[NP_001128680](#)**Gene Name**

FKBP2

Gene Alias

FKBP-13, PPlase

Gene Description

FK506 binding protein 2, 13kDa

Omim ID[186946](#)**Gene Ontology**[Hyperlink](#)**Gene Summary**

The protein encoded by this gene is a member of the immunophilin protein family, which play a role in immunoregulation and basic cellular processes involving protein folding and trafficking. This encoded protein is a cis-trans prolyl isomerase that binds the immunosuppressants FK506 and rapamycin. It is thought to function as an ER chaperone and may also act as a component of membrane cytoskeletal scaffolds. Multiple alternatively spliced variants, encoding the same protein, have been identified. [provided by RefSeq]

Other Designations

FK506 binding protein 2 (13kD)|FK506-binding protein 2 (13kD)|peptidyl-prolyl cis-trans isomerase|proline isomerase|rapamycin-binding protein

Disease

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