

Full-Length

## FKBP3 (Human) Recombinant Protein (P01)

Catalog # H00002287-P01

Size 10 ug, 25 ug

### Applications



### Specification

#### Product Description

Human FKBP3 full-length ORF ( AAH16288, 1 a.a. - 224 a.a.) recombinant protein with GST-tag at N-terminal.

#### Sequence

MAAAVPQRAWTVELRSEQLPKKDIKFLQEHGSDSFLAEHKLLGNIKNVAKTANKDHLVTAYNHL  
FETKRFKGTESISKVSEQVKNVKLNEDKPKETKSEETLDEGPPKYTKSVLKKGDKTNFPKKGDV  
VHCWYTGLQDGTVDNIQTSAKEKKNAPLSFKVGVGKVIRGWDEALLTMSKGEKARLEIEPE  
WAYGKKGQPDAKIPPNAKLTFEVELVDID

#### Host

Wheat Germ (in vitro)

#### Theoretical MW (kDa)

50.38

#### Preparation Method

[in vitro wheat germ expression system](#)

#### Purification

Glutathione Sepharose 4 Fast Flow

#### Quality Control Testing

12.5% SDS-PAGE Stained with Coomassie Blue.

#### Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

#### Storage Instruction

Store at -80°C. Aliquot to avoid repeated freezing and thawing.

#### Note

Best use within three months from the date of receipt of this protein.

## Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

## Gene Info — FKBP3

Entrez GeneID [2287](#)

GeneBank Accession# [BC016288](#)

Protein Accession# [AAH16288](#)

Gene Name FKBP3

Gene Alias FKBP-25, PPlase

Gene Description FK506 binding protein 3, 25kDa

Omim ID [186947](#)

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, as well as histone deacetylases, the transcription factor YY1, casein kinase II, and nucleolin. It has a higher affinity for rapamycin than for FK506 and thus may be an important target molecule for immunosuppression by rapamycin. [provided by RefSeq]

**Other Designations** FK506 binding protein 3 (25kD)|FK506-binding protein 25, T-cell|FK506-binding protein 3 (25kD)|peptidyl-prolyl cis-trans isomerase|rapamycin binding protein|rapamycin-selective 25 kDa immunophilin|rotamase

## Disease

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