

Recombinant Human FKBP3, GST-tagged

Cat. No. FKBP3-12912H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human FKBP3 protein, fused to GST-tag, was expressed in E.coli and purified by GSH-sepharose.
Species	Human
Source	E.coli
ProteinLength	1-224a.a.
Description	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.
Storage	The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles.
Storage Buffer	1M PBS (58mM Na ₂ HPO ₄ , 17mM NaH ₂ PO ₄ , 68mM NaCl, pH8.) added with 100mM GSH and 1% Triton X-100, 15% glycerol.

GENE INFORMATION

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Gene Name	FKBP3 FK506 binding protein 3, 25kDa [Homo sapiens]
Official Symbol	FKBP3
Synonyms	FKBP3; FK506 binding protein 3, 25kDa; FK506 binding protein 3 (25kD); peptidyl-prolyl cis-trans isomerase FKBP3; FKBP 25; PPlase; rotamase; 25 kDa FKBP; PPlase FKBP3; immunophilin FKBP25; rapamycin binding protein; 25 kDa FK506-binding protein; FK506-binding protein 3 (25kD); FK506-binding protein 25, T-cell; rapamycin-selective 25 kDa immunophilin; FKBP-3; FKBP25; FKBP-25;
Gene ID	2287
mRNA Refseq	NM_002013
Protein Refseq	NP_002004
MIM	186947
UniProt ID	Q00688
Chromosome Location	14q21.2
Pathway	Signaling events mediated by HDAC Class I, organism-specific biosystem;
Function	FK506 binding; isomerase activity; peptidyl-prolyl cis-trans isomerase activity; receptor activity;