

Recombinant Human FKBP3, His-tagged

Cat. No. FKBP3-28917TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant fragment, corresponding to amino acids 49-224 of Human FKBP25 with an N-terminal His tag; Predicted MWt 21 kDa.
Species	Human
Source	E.coli
ProteinLength	49-224 a.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.
Conjugation	HIS
Form	Lyophilised:Reconstitute with 99 µl aqua dest.
Storage buffer	Preservative: NoneConstituents: 0.5% Trehalose, 6M Urea, 100mM Sodium phosphate, 10mM Sodium chloride, pH 4.5
Storage	Shipped at 4°C. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.

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Sequences of amino acids

NVAKTANKDHLVTAYNHLFETKRFGTESISKVSEQVKNV KLNEDKPKETKSEETLD
EGPPKYTKSVLKKGDKTNFPK KGDVVHCWYTGTLQDGTVFDTNIQTSAKKKKNAK
PLSF KVGVGKVirGWDEALLTMSKGEKARLEIEPEWAYGKKG QPDAKIPPNAKLTF
EVELVDID

GENE INFORMATION

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; PPIase;

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;

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