



Recombinant Protein Technical Manual

Recombinant Human FKBP3/FKBP25 Protein (His Tag)

RPES1583

Product Data:

Product SKU: RPES1583

Size: 10µg

Species: Human

Expression host: E. coli

Uniprot: Q00688

Protein Information:

Molecular Mass: 27.3 kDa

AP Molecular Mass: 30 kDa

Tag: N-6His

Bio-activity:

Purity: > 95 % as determined by reducing SDS-PAGE.

Endotoxin: < 1.0 EU per µg as determined by the LAL method.

Storage: Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.

Shipping: This product is provided as liquid. It is shipped at frozen temperature with blue ice/gel packs. Upon receipt, store it immediately at < -20°C.

Formulation: Supplied as a 0.2 µm filtered solution of 20mM TrisHCl, 1mM DTT, 10% glycerol .

Reconstitution: Please refer to the printed manual for detailed information.

Application:

Synonyms: Peptidyl-prolyl cis-trans isomerase FKBP3;PPIase FKBP3;25 kDa FK506-binding protein;25 kDa FKBP;FKBP-25;FK506-binding protein 3;FKBP-3;Immunophilin FKBP25;Rapamycin-selective 25 kDa immunophilin;Rotamase;FKBP25

Immunogen Information:

Sequence: Met 1-Asp224

Background:

FKBP25 contains 1 PPIase FKBP-type domain, belongs to the FKBP-type PPIase family. FK506- and rapamycin-binding proteins (FKBPs) constitute a family of receptors for the two immunosuppressants which inhibit T-cell proliferation by arresting two distinct cytoplasmic signal transmission pathways. FKBP3 is a cis-trans prolyl isomerase enzyme 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.