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Human recombinant protein FKBP3

Human Recombinant FKBP3
Catalog # PBV10579r

Specification

Human recombinant protein FKBP3 - Product info

Primary Accession	Q00688
Concentration	1
Calculated MW	25.1 kDa KDa

Human recombinant protein FKBP3 - Additional Info

Gene ID	2287
Gene Symbol	FKBP3

Other Names
FK506 binding protein 3, FKBP25, PPIase FKBP3, Rotamase

Gene Source	Human
Source	E. Coli
Assay&Purity	SDS-PAGE; ≥90%
Assay2&Purity2	N/A;
Recombinant	Yes
Sequence	MAAAVPQRAW TVEQLRSEQL PKKDIIKFLQ EHGSDSFLAE HKLLGNIKNV AKTANKDHLV TAYNHLFETK RFKGTESISK VSEQVKNVKL NEDKPKETKS EETLDEGPPK YTKSVLKKGD KTNFPKKGDV VHCWYTGTLQ DGTVFDTNIQ TSAKKKNAK PLSFKVGVGK VIRGWDEALL TMSKGEKARL EIEPEWAYGK KGQPDAKIPP NAKLTFEVEL VDID

Format
Liquid

Storage
-80°C; 1 mg/ml solution in 20 mM Tris-HCl buffer (pH 8.0) containing 1 mM DTT and 10% glycerol.

Human recombinant protein FKBP3 - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

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Human recombinant protein FKBP3 - Images

Human recombinant protein FKBP3 - Background

FKBP3 is part of a family of immunosuppressant receptors which inhibit T-cell proliferation by arresting two distinct cytoplasmic signal transmission pathways. FKBP3 accelerates the folding of proteins. FKBP3 is part of the immunophilin protein family, which participates in immunoregulation and fundamental cellular processes concerning protein folding and trafficking. 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 greater affinity for rapamycin than for FK506 and therefore is a significant protein for immunosuppression by rapamycin.

Human recombinant protein FKBP3 - References

Wiederrecht G.,et al.Biochem. Biophys. Res. Commun. 185:298-303(1992).
Hung D.T.,et al.Biochem. Biophys. Res. Commun. 184:733-738(1992).
Jin Y.-J.,et al.J. Biol. Chem. 267:10942-10945(1992).
Kalnine N.,et al.Submitted (MAY-2003) to the EMBL/GenBank/DDBJ databases.
Ota T.,et al.Nat. Genet. 36:40-45(2004).