

Human recombinant protein FKBP1B
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Catalog # PBV10578r**Specification****Human recombinant protein FKBP1B - Product info**

Primary Accession [P68106](#)
Concentration **0.25**
Calculated MW **14.2 kDa KDa**

Human recombinant protein FKBP1B - Additional Info

Gene ID **2281**
Gene Symbol **FKBP1B**
Other Names
Peptidyl-prolyl cis-trans isomerase FKBP1B, FKBP12.6, FKBP1L, OTK4, PKBP1L, PPIase

Gene Source **Human**
Source **E. Coli**
Assay&Purity **SDS-PAGE; ≥90%**
Assay2&Purity2 **N/A;**
Recombinant **Yes**
Sequence **MGSSHHHHHH SGLVPRGSH RSMGVEIETI
SPGDGRTFPK KGQTCVVHYT GMLQNGKKFD
SSRDRNKPFK FRIGKQEVK GFEEGAAQMS
LGQRAKLTCT PDVAYGATGH PGVIPP NATL
IFDVLLNLE**

Format
Liquid

Storage
-80°C; 0.25 mg/ml solution in 20 mM Tris-HCl buffer (pH 8.0) containing 1 mM DTT and 20% glycerol.

Human recombinant protein FKBP1B - Protocols

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Human recombinant protein FKBP1B - Images

Human recombinant protein FKBP1B - Background

Peptidyl-prolyl cis-trans isomerase FKBP1B (FKBP1B) belongs to the immunophilin protein family which has a role in immunoregulation and basic cellular processes involving protein folding and trafficking. FKBP1B is a cis-trans prolyl isomerase which binds the immunosuppressants FK506 (tacrolimus) and rapamycin (sirolimus). FKBP1B is extremely similar to the FK506-binding protein 1A. The physiological role of FKBP1B is thought to be in excitation-contraction coupling in cardiac muscle.

Human recombinant protein FKBP1B - References

Arakawa H., et al. *Biochem. Biophys. Res. Commun.* 200:836-843(1994).
Lam E., et al. *J. Biol. Chem.* 270:26511-26522(1995).
Seidler T., et al. Submitted (NOV-2000) to the EMBL/GenBank/DDBJ databases.
Nakazawa T., et al. *Gene* 360:55-64(2005).
Hillier L.W., et al. *Nature* 434:724-731(2005).