

Human Recombinant FKBP1B

CATALOG #:	6341-100	100 µg
ALTERNATE NAMES:	Peptidyl-prolyl cis-trans isomerase FKBP1B, FKBP12.6, FKBP1L, OTK4, PKBP1L, PPIase	
SOURCE:	E.Coli	
PURITY:	> 90% by SDS - PAGE	
MOL. WEIGHT:	14.2 kDa (130 aa, 1-108 aa + NT His Tag)	
FORMULATION:	0.25 mg/ml solution in 20 mM Tris-HCl buffer (pH 8.0) containing 1 mM DTT and 20% glycerol.	

STORAGE CONDITIONS:

Can be stored at 4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

DESCRIPTION:

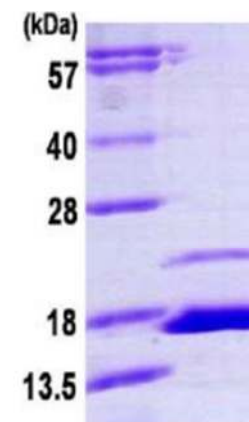
Peptidyl-prolyl cis-trans isomerase FKBP1B (FKBP1B) belongs to the immunophilin protein family which has a role in immunoregulation and basic cellular processes involving protein folding and trafficking. FKBP1B is a cis-trans prolyl isomerase which binds the immunosuppressants FK506 (tacrolimus) and 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.

AMINO ACID SEQUENCE:

MGSSHHHHHH SSGLVPRGSH RSMGVEIETI SPGDGRTPFK KGQTCVVHYT
GMLQNGKKFD SSRDRNKPFK FRIGKQEVK GFEEGAAQMS LGQRAKLTCT
PDVAYGATGH PGVIPPATL IFDVELLNLE

BIOLOGICAL ACTIVITY:

Specific activity is > 300 nmoles/min/mg, and is defined as the amount of enzyme that cleaves 1 µmole of suc-AAFP-pNA per minute at 25°C in Tris HCl pH 8.0 using chymotrypsin.



15% SDS-PAGE (3µg)

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RELATED PRODUCTS:

- FKBP12 Antibody (Cat. No. 3635-100)
- FKBP12 Blocking Peptide (Cat. No. 3635BP-50)
- FKBP38 Antibody (Cat. No. 3666-100)
- FKBP38 Blocking Peptide (Cat. No. 3666BP-50)
- FKBP52/Hsp56 Antibody (Cat. No. 3880-100)
- FKBP52/Hsp56 Blocking Peptide (Cat. No. 3880BP-50)
- Human recombinant FKBP1a (Cat. No. 6340-100)
- Human recombinant FKBP3 (Cat. No. 6342-100)
- Human recombinant FKBP4 (Cat. No. 6343-100)
- Human recombinant FKBP6 (Cat. No. 6344-100)
- Human recombinant FKBP1L (Cat. No. 6345-100)

FOR RESEARCH USE ONLY! Not to be used in humans.