

Recombinant Human FKBP1B, His-tagged

Cat. No. FKBP1B-28914TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full-length Human FKBP1B with a N terminal His tag. 130 amino acids with a predicted MWt 14.2 kDa including tag.
Species	Human
Source	E.coli
ProteinLength	108 amino acids
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. It is highly similar to the FK506-binding protein 1A. Its physiological role is thought to be in excitation-contraction coupling in cardiac muscle. There are two alternatively spliced transcript variants of this gene encoding different isoforms.
Conjugation	HIS
Molecular Weight	14.200kDa inclusive of tags
Tissue specificity	Isoform 1 and isoform 2 are Ubiquitous with highest levels in brain and thymus.
Form	Liquid

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Purity	>90% by SDS-PAGE
Storage buffer	pH: 8.00 Constituents: 0.32% Tris HCl, 20% Glycerol, 0.02% DTT
Storage	Store at +4°C short term (1-2 weeks). Aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
Sequences of amino acids	MGSSHHHHHSSGLVPRGSHRSMGVEIETISPGDGRTFPK KGQTCVVHYTGMLQ NGKKFDSSDRNKPFPKFRIGKQEVK GFEEGAAQMSLGQRAKLTCTPDVAYGATG HPGVIPP NATL IFDVELLNLE
Sequence Similarities	Belongs to the FKBP-type PPIase family. FKBP1 subfamily. Contains 1 PPIase FKBP-type domain.

GENE INFORMATION

Gene Name	FKBP1B FK506 binding protein 1B, 12.6 kDa [Homo sapiens]
Official Symbol	FKBP1B
Synonyms	FKBP1B; FK506 binding protein 1B, 12.6 kDa; FK506 binding protein 1B (12.6 kD) , FKBP1L; peptidyl-prolyl cis-trans isomerase FKBP1B; FKBP9; FKBP12.6; OTK4; PPIase;
Gene ID	2281
mRNA Refseq	NM_004116
Protein Refseq	NP_004107
MIM	600620

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Uniprot ID	P68106
Chromosome Location	2p23.3
Function	FK506 binding; isomerase activity; peptidyl-prolyl cis-trans isomerase activity; protein binding; receptor binding;

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