

Recombinant Human FKBP1B Protein

Cat. No. FKBP1B-001H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human FKBP1B Protein (1-108 aa (full-length)) without tag (GST tag removed) was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	1-108
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.
Molecular Mass	12.05 kDa
Purity	>95% confirmed by 10% SDS-PAGE stained with Coomassie Blue (CB).
Applications	ELISA, Western Blot, Antibody Production, Protein array
Quality Control Test	10% SDS-PAGE stained with Coomassie Blue (CB), immunoblotting with anti-GST serum (WB) and peptide fingerprinting by MALDI-TOF-TOF mass spectrometry.

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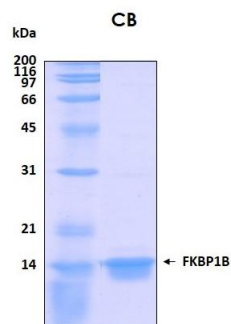
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Storage	Prior to reconstitution, store the lyophilized protein at 2–8 centigrade. After reconstitution, store in working aliquots at –80 centigrade.
Expiry	All components are stable for 1 year of receipt, if stored properly.
Storage Buffer	Phosphate-Buffered Saline (PBS), pH 7.4. No preservatives added.
Shipping	Lyophilized at Ambient temperature
GENE INFORMATION	
Gene Name	FKBP1B FKBP prolyl isomerase 1B [Homo sapiens (human)]
Official Symbol	FKBP1B
Synonyms	FKBP1B; FKBP prolyl isomerase 1B; OTK4; FKBP1L; PKBP1L; PPIase; FKBP12.6; peptidyl-prolyl cis-trans isomerase FKBP1B; 12.6 kDa FK506-binding protein; 12.6 kDa FKBP; FK506 binding protein 1B, 12.6 kDa; FK506-binding protein 12.6; FK506-binding protein 1B; FKBP-12.6; FKBP-1B; PPIase FKBP1B; calstabin 2; h-FKBP-12; immunophilin FKBP12.6; rotamase; EC 5.2.1.8
Gene ID	2281
mRNA Refseq	NM_004116
Protein Refseq	NP_004107
MIM	600620
UniProt ID	P68106

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