

Recombinant Full Length Human FKBP1A Protein, GST-tagged

Cat. No. FKBP1A-4799HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human FKBP1A full-length ORF (AAH05147, 1 a.a. - 108 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
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. The protein is a cis-trans prolyl isomerase that binds the immunosuppressants FK506 and rapamycin. It interacts with several intracellular signal transduction proteins including type I TGF-beta receptor. It also interacts with multiple intracellular calcium release channels, and coordinates multi-protein complex formation of the tetrameric skeletal muscle ryanodine receptor. In mouse, deletion of this homologous gene causes congenital heart disorder known as noncompaction of left ventricular myocardium. Multiple alternatively spliced variants, encoding the same protein, have been identified. The human genome contains five pseudogenes related to this gene, at least one of which is transcribed. [provided by RefSeq]
Molecular Mass	37.62 kDa
AA Sequence	MGVQVETISPGDGRTFPKRGQTCVVHYTGMLEDGKKFDSSRDNRNKPFFKFMLGKQE VIRGWEEGVAQMSVGQRAKLISPDIYAYGATGHPGIIPPHATLVFDVELLKLE

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Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
GENE INFORMATION	
Gene Name	FKBP1A FK506 binding protein 1A, 12kDa [Homo sapiens]
Official Symbol	FKBP1A
Synonyms	FKBP1A; FK506 binding protein 1A, 12kDa; FK506 binding protein 1A (12kD), FKBP1; peptidyl-prolyl cis-trans isomerase FKBP1A; FKBP 12; FKBP12; FKBP12C; PKC12; PPIASE; rotamase; 12 kDa FKBP; calstabin-1; FKBP12-Exip3; PPlase FKBP1A; immunophilin FKBP12; FK506 binding protein12; FK506-binding protein 1; FK506-binding protein 12; 12 kDa FK506-binding protein; protein kinase C inhibitor 2; FK506-binding protein 1A (12kD); FK506-binding protein, T-cell, 12-kD; FKBP1; PKC12; FKBP-12; FKBP-1A;
Gene ID	2280
mRNA Refseq	NM_000801
Protein Refseq	NP_000792

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MIM	186945
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UniProt ID	P62942
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