

Recombinant Full Length Human FKBP1A Protein, C-Flag-tagged

Cat. No. FKBP1A-1372HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human FKBP1A Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
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.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	11.8 kDa
AA Sequence	MGVQVETISPGDGRTFPKRGQTCVVHYTGMLEDGKKFDSSRDNRNKPFFKFMLGKQE

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VIRGWEEGVAQMSVG
QRAKLTISPDYAYGATGHPGIIPPHATLVFDVELLKLETRTRPLEQKLISEEDLAANDIL
DYKDDDDKV

Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Protein Families	Druggable Genome
Full Length	Full L.

GENE INFORMATION

Gene Name	FKBP1A FKBP prolyl isomerase 1A [Homo sapiens (human)]
Official Symbol	FKBP1A
Synonyms	FKBP1; PKC12; PKC12; FKBP12; PPIASE; FKBP-12; FKBP-1A
Gene ID	2280
mRNA Refseq	NM_000801.5

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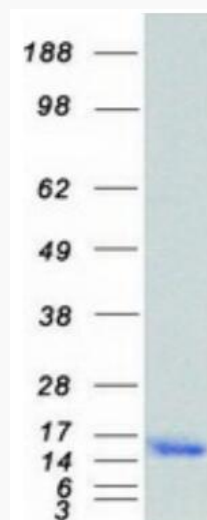
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Protein Refseq [NP_000792.1](#)

MIM [186945](#)

UniProt ID [P62942](#)



Coomassie blue staining of purified FKBP1A protein.

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