

Recombinant Human FKBP1A

Catalog No: #GP13214



Package Size: #GP13214-1 100ug

Orders: order@signalwayantibody.comSupport: tech@signalwayantibody.com

Description

Product Name	Recombinant Human FKBP1A
Brief Description	Recombinant Protein
Immunogen Description	Fusion protein corresponding to a region derived from 2-108 amino acids of human FKBP1A
Target Name	FK506 binding protein 1A
Other Names	FKBP1; PKC12; PKCI2; FKBP12; PPIASE; FKBP-12; FKBP-1A
Accession No.	Swissprot:P62942Gene Accession:BC005147
Uniprot	P62942
GeneID	2280;
Storage	-20~-80°C, pH 7.6 PBS

Background

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.

References

Note: For in vitro research use only, not for diagnostic or therapeutic use. This product is not a medical device.

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