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Product datasheet for RC201237L2V

FKBP12 (FKBP1A) (NM_000801) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	FKBP12 (FKBP1A) (NM_000801) Human Tagged ORF Clone Lentiviral Particle
Symbol:	FKBP12
Synonyms:	FKBP-1A; FKBP-12; FKBP1; FKBP12; PKC12; PKCI2; PPIASE
Mammalian Cell Selection:	None
Vector:	pLenti-C-mGFP (PS100071)
Tag:	mGFP
ACCN:	NM_000801
ORF Size:	324 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC201237).
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
RefSeq:	NM_000801.2
RefSeq Size:	1643 bp
RefSeq ORF:	327 bp
Locus ID:	2280
UniProt ID:	P62942
Cytogenetics:	20p13
Domains:	FKBP
Protein Families:	Druggable Genome

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MW: 12 kDa

Gene Summary: 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, Sep 2008]