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Product datasheet for SC205447

FKBP12 (FKBP1A) (NM_054014) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	FKBP12 (FKBP1A) (NM_054014) Human 3' UTR Clone
Symbol:	FKBP12
Synonyms:	FKBP-1A; FKBP-12; FKBP1; FKBP12; PKC12; PKCI2; PPIASE
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_054014
Insert Size:	417 bp
Insert Sequence:	>SC205447 3' UTR clone of NM_054014 The sequence shown below is from the reference sequence of NM_054014. The complete sequence of this clone may contain minor differences, such as SNPs. Red=Cloning site Blue=Stop Codon CAATTGGCAGAGCTCAGAATTCAAGCGATCGC ATGCCACTCTCGTCTTCGATGTGGAGCTTCTAAAACTGGAA**TGA**CAGGAATGGCCTCCTCCCTTAGCTCC CTGTTCTTGGGTAAGGAAATGGAATACTGAAGGGCCCTTCACTGCCTTTGCTCCTCCCATGTTATGCCCA GCGTTTGATGGGTAGCAGAGAGAACAAAAAACACCACAAGGCTATTTTTCCCCCTGCATTCTTTCTGTAT TGAGTATCCTTTCAGTGTTATTAGTGTATGCTTTGAATGTAAAAATTGGTCACCCTAAGGAAAGGAATTG GCATGTGTATGTTCCCAGTTCAACTCATGGAGATGGCAGCTGTTTAAATGTTTTTCTATGTAGTTTATAA ATTAAAACTGAATTGAGGACTATGGAAATGTAGGCCAAATTTGTAGTGCCAACATTTTAGTTCTTTG ACGCGTAAGCGGCCGCGGCATCTAGATTCGAAGAAAATGACCG
Restriction Sites:	SgfI-MluI
OTI Disclaimer:	Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences , e.g., single nucleotide polymorphisms (SNPs).
Components:	The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.

View online »

RefSeq: NM_054014.2

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]

Locus ID: 2280