

Product datasheet for SC212809

FKBP12 (FKBP1A) (NM_000801) Human 3' UTR Clone

Product data:

Product Type: 3' UTR Clones
Product Name: FKBP12 (FKBP1A) (NM_000801) Human 3' UTR Clone
Symbol: FKBP12
Synonyms: FKBP-1A; FKBP-12; FKBP1; FKBP12; PKC12; PKC12; PPIASE
Mammalian Cell Selection: Neomycin
Vector: pMirTarget (PS100062)
ACCN: NM_000801

Insert Size: 1161 bp

Insert Sequence: >SC212809 3'UTR clone of NM_000801
 The sequence shown below is from the reference sequence of NM_000801. The complete sequence of this clone may contain minor differences, such as SNPs.
 Blue=Stop Codon Red=Cloning site

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAA GCGATCGCC
TTCGATGTGGAGCTTCTAAACTGGAA TGCAGGAATGGCCTCCTCCCTTAGCTCCCTGTTCTTGGATC
TGCCATGGAGGGATCTGGTGCCTCCAGACATGTGCACATGAATCCATATGGAGCTTTTCTGATGTTCC
ACTCCACTTTGTATAGACATCTGCCCTGACTGAATGTGTTCTGTCACTCAGCTTTGCTTCCGACACCTC
TGTTTCCTCTTCCCTTTCTCCTCGTATGTGTGTTTACCTAAACTATATGCCATAAACCTCAAGTTATT
CATTTTATTTTGTTCATTTTGGGGTGAAGATTCAGTTTCAGTCTTTTGGATATAGGTTTCCAATTAA
GTACATGGTCAAGTATTAACAGCACAAAGTGGTAGGTTAACATTAGAATAGGAATGGTGTGGGGGGGG
GGTTTGCAAGAATATTTTATTTTAAATTTTGGATGAAATTTTATCTATTATATATTAACATTCTTG
CTGCTGCGCTGCAAAGCCATAGCAGATTTGAGGCGCTGTTGAGGACTGAATTA CTCTCCAAGTTGAGAG
ATGTCTTTGGGTTAAATTAAGCCCTACCTAAACTGAGGTGGGGATGGGGAGAGCCTTTGCCCTCCAC
CATTCCCACCCACCCTCCCCTTAAACCCTCTGCCTTTGAAAGTAGATCATGTTCACTGCAATGCTGGAC
ACTACAGGTATCTGTCCCTGGCCAGCAGGGACCTCTGAAGCCTCTTTGTGGCCTTTTTTTTTTTTCA
TCCTGTGGTTTTTCTAATGGACTTTCAGGAATTTGTAATCTCAACTTCCAAGTCCACCACCTCC
TAAATCTTAAGAACTTTAATTGACAGTTTCAATTGAAGGTGCTGTTTGTAGACTTAACACCCAGTGAAA
GCCAGCCATCATGACAAATCCTTGAATGTTCTCTTAAGAAAATGATGCTGGTCAATCGCAGCTTCAGCA
TCTCCTGTTTTTGTGCTTGGCTCCCTCTGCTGATCTCAGTTTCTGGCTTTTCTCCCTCAGCCCT
TCTCACCCTTTGCTGCTGCTGTGTAGTATTTGGTGAGAAATCGTTGCTGCACCTTCCCCCAGCACCA
TTTATGAGTCTCAAGTTTTATTATTGCAATAAAAGTGCTTTATGCCGGCTTTTCTCA
ACGCGT AAGCGGCCGCGCATCTAGATTCGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTCGATCCACCGCCCTTCTATGAAAGG
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Restriction Sites:	Sgfl-Mlul
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.
RefSeq:	<u>NM_000801.5</u>
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
MW:	43.3