

Product datasheet for **MC200170**

Fkbp1a (NM_008019) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Fkbp1a (NM_008019) Mouse Untagged Clone
Tag: Tag Free
Symbol: Fkbp1a
Synonyms: Fkb; Fkbp; Fkbp1; FKBP12
Mammalian Cell Selection: Neomycin
Vector: PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection: Kanamycin (25 ug/mL)

Fully Sequenced ORF: >BC004671 sequence for NM_008019
 CTCCGGCTCCACGCCCGTCGCGCCGCCACCCGCGTCTTTCTCCTCCTCCGCCAACGCCCGCCG
 GCCGCCCGCCCATGGGAGTGCAGGTGGAGACCCTCTCCTGGAGACGGGCGCACCTTCCCAAAGCGCG
 GCCAGACCTGCGTGGTGCACACTACCGGGATGCTTGAAGATGGAAGAAATTTGATTCTCCTCGGGACAG
 AAACAAGCCTTTTAAAGTTTACACTAGGCAAGCAGGAGGTGATCCGAGGCTGGGAGGAAGGGTAGCCAG
 ATGAGTGTGGGTGAGAGACCAAAGTATAATCTCCTCAGACTATGCCTATGGAGCCACCGGCCACCCAG
 GCATCATCCACCACATGCCACTCTGTTTTGATGTGGAGCTTCTAAAAGTGAATGACAGAAGTGGCC
 TCCTCCCTTAGCTCTGCACGTGGATCTGCCATGGAGGAATCTGGTACCTCCAGATGGGTGCACATGAATC
 CATGGGGAGCTCTCCTGACGTCCACCACCTTTGTATAGACACCTACCCGACTGAATGTGTTCCGTCA
 CTCAGCTTTGCTTCGGACACCTCCATGTCTCTCCCCCTCTGTATGTGTGTTGACCTAACTATATGC
 CATAAACCTCAAGTTACTTTATTTTGGGGTGAAGACTCAGTTTCTGTTTCAGATCTAAGTTTCCAATGAA
 GTATATTGTCAAGTGTTAACAGCACAAGCGATGGGTTAACTTAGAATAGAAATTGGTGTGGGGGGGAT
 TTGCAAGAATTTTATTTTATTTTATTTTAAATTTTGGATGAAAATTTATCTATTATATTAAGACA
 TTCTGCTGCTGTGCTGCAAAGCCATAGCAGATTCGAGATGCTGTTGAGGGCTGGATTTTCTCTAGTGAG
 GGAGGTCTGTTAACTGAAAGCCCTACCCAACTGAGGTGGGAAGGAAGCGGGGAGAGAGCCTTGGCT
 TCTGACAGTCTTCCACCTTCTGAACTAGCTGCCTTTTAAAGCAGATCCCTTCACTGCTATGTTGGACA
 CTACAGTATCTGTCCCTGGGTGGCAGAGACTTGAAGCCTTTGTGACCTGGCTTAATTTGTTTTTCATC
 CTATGGTTTTTCTAATGGATTTTCTGGACTTTTGAATCTTGAATCTTCAAGTCCACTTTCTAAAT
 TTAAGAATTCAGTGGAAAGTTTAAATGAAGGTGCTGTTGTAGACTCACCACCAACGGACGCCAGC
 CACCACGGCAAATCCTTGAGTGTCTCTAAGAATACGATGCTGGTCATCAGCTTCCAGCATCTCCTGGG
 TTTTGATGCTTGCTCTTTGCTGATCTTGCTTCTGGCTTTTCTCCTTCAAGTTCCTTCTACCCTCTG
 CTGTCCTGTGTAGTGATTTGGTGGAGAAAGCTTTTGTCCCCTGCCCTCTGCACTACATATGCGGTTCA
 AGTTTTATTATTGCAATAAAAGTCTTTATGCTGGCTTTTCTCAAAAAAAAAAAAAAAAAA

Restriction Sites: RsrII-NotI
ACCN: NM_008019



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Insert Size:	327 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	<ol style="list-style-type: none">1. Centrifuge at 5,000xg for 5min.2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.3. Close the tube and incubate for 10 minutes at room temperature.4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	BC004671 , AAH04671
RefSeq Size:	1529 bp
RefSeq ORF:	327 bp
Locus ID:	14225
UniProt ID:	P26883
Cytogenetics:	2 G3
Gene Summary:	<p>This gene is a member of the immunophilin family. The encoded protein is a cis-trans prolyl isomerase that binds the immunosuppressants FK506 and rapamycin, and is associated with immunoregulation, protein folding, receptor signaling, protein trafficking and T-cell activation. It may modulate the calcium release activity of the ryanodine receptor Ryr1. It also interacts with the type I TGF-beta receptor. Disruption of this gene in mouse causes severe ventricular defects. Pseudogenes of this gene have been defined on chromosomes 4, 10, 14, and 16. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Sep 2014]</p> <p>Transcript Variant: This variant (1) encodes isoform 1. Variants 1 and 2 both encode the same isoform (1).</p>