

Product datasheet for **MC216108**

Fkbp4 (NM_010219) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Fkbp4 (NM_010219) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Fkbp4
Synonyms:	59kDa; AL022792; AW208983; FKBP-4; FKBP-52; FKBP52; FKPB52; p59
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

Fully Sequenced ORF: >MC216108 representing NM_010219
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGACCGCCGAGGAGATGAAGGCGCGGAGAACGGGGCGCAGTCGGCCCCCTGCCTCTCGAAGGAGTGG
 ACATCAGCCCCAAACAGGACGAGGGCGTGCTCAAGGTCATCAAGAGAGAGGGTACAGGCACAGAGACACC
 CATGATCGGGGACCGAGTCTTTGTCCACTACACTGGCTGGCTGCTAGATGGCACAAGTTTGACTCCAGT
 CTGGACCGCAAGGACAAATTCTCCTTTGACCTGGGAAAAGGGGAGGTATCAAGGCTTGGGATATTGCTG
 TGGCAACCATGAAAGTGGGGGAAGTGTCCACATCACCTGCAAGCCAGAATATGCCTATGGCGCAGCAGG
 CAGCCCTCGAAGATCCCCCAACGCCACACTTGTATTTGAGGTGGAGCTGTTTGTGTTCAAAGGAGAA
 GATCTTACAGAAGAAGAAGATGGCGGGATCATCCGCAGAATACGGACTCGGGGTGAAGGCTATGCCAGGC
 CCAATGATGGTGTATGGTGAAGTGGCCCTGGAAGGCTACCACAAGGACCGCCTTTTGACCAGCGGGA
 GCTCTGCTTTGAAGTCGGGGAAGGGGAAAGTCTAGATCTGCCCTGTGGGCTGGAGGAGGCCATTCAGCGC
 ATGGAGAAAGGAGAGCATTCCATCGTGTACCTCAAACCTAGCTATGCTTTTGGCAGTGTGGGGAAGGAGA
 GGTTCCAGATCCCACCGCACGCTGAGCTGAGGTATGAAGTGCGGCTGAAGAGCTTTGAGAAGGCCAAGGA
 GTCTTGGGAGATGAGCTCCGCGGAGAAGCTGGAGCAGAGCAACATAGTAAAAGAGAGGGGCCACCGGTAC
 TTCAAGGAAGGCAAGTACAAGCAGGCGTTACTGCAGTACAAGAAGATCGTGTCTTGGCTAGAATACGAGT
 CTAGCTTCTCCGGTGAGGAAATGCAAAAGGTCCATGCACTCCGACTGGCCTCACACCTCAATCTGGCCAT
 GTGTCACTGAACTGCAGGCCTTCTCAGCTGCCATCGAAAGTGCACAAGGCCTTGGAGCTGGACAGC
 AACACGAGAAGGGCCTGTTTCGCCGGGAGAGGCCACCTGGCCGTGAATGACTTTGACCTGGCAAGAG
 CTGACTTCAAAAAGGTCTGCAGCTCTATCCCAGCAACAAGCCGCAAGACCCAGCTGGCTGTGTCCA
 GCAGCGGACCCGTAGGCAGCTCGCCCGGAAAAGAAGCTCTATGCCAACATGTTTGAGAGGCTGGCTGAG
 GAGGAGCACAAGGTGAAGGCAGAAGTGGCAGCAGGAGACCATCCCACTGATGCTGAGATGAAGGGTGAAG
 GAAACAATGTGGCCGAGAACCAGTCTCGGGTGGAGACAGAAGCGTAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_010219

Insert Size: 1377 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:

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: [NM_010219.3](#), [NP_034349.1](#)

RefSeq Size: 2167 bp

RefSeq ORF: 1377 bp

Locus ID: 14228

UniProt ID: [P30416](#)

Cytogenetics: 6 F3

Gene Summary: Immunophilin protein with PPIase and co-chaperone activities. Component of steroid receptors heterocomplexes through interaction with heat-shock protein 90 (HSP90). May play a role in the intracellular trafficking of heterooligomeric forms of steroid hormone receptors between cytoplasm and nuclear compartments. The isomerase activity controls neuronal growth cones via regulation of TRPC1 channel opening. Acts also as a regulator of microtubule dynamics by inhibiting MAPT/TAU ability to promote microtubule assembly. May have a protective role against oxidative stress in mitochondria.[UniProtKB/Swiss-Prot Function]