

Product datasheet for **MR209108**

Fkbp10 (NM_010221) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Fkbp10 (NM_010221) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Fkbp10
Synonyms:	AI325255; FKBP-10; FKBP-65; Fkbp-rs1; Fkbp1-rs; Fkbp6; FKBP65; Fkbprp
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR209108 representing NM_010221
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTTCTTGTGGGGTCTCCAGCCACACCTCCATCGGCTCCGCATACTGCCGTTGCTGTGCTTCTAC
 AGACCTTGAGAGGGGACTGGGCCGTGCCAGCCGGCCGAGCCCTTGGAAGATGTGGTCATCGAGAG
 ATACCACATCCCTCGGGCTGTCCCGAGAAGTGCAGATGGGGATTTTGTGCGTTACCACTACAATGGC
 ACTTTGGAAGACGGGAAAAAGTTTGACTCCAGCTATGACCGTAGCACCTGGTGGCCATCGTTGTGGCG
 TAGGCCGCTCATCACCGGCATGGACGGGGTCTCATGGGCATGTGTGCAACGAGCGCCGCCCTCAT
 TGTGCCTCCACCTGGCTACGGCAGCATCGGTGTGGCGGGCTCATCCCCCTGATGCCACCCTCTAT
 TTTGACGTGGTCTGCTGGACGTGTGGAACAAAGCAGACCGGTGCAGTCAACTATCCTCTGCGCCCTC
 CCTACTGCCCCGAATGGTGCAGAACAGTGACTTTGTGCGCTACTACAATGGCACTCTGCTGGATGG
 CACTGCCTTTGACAACAGCTACAGTAGGGGAGGCACTTATGACACCTACATCGGCTCTGGTTGGCTGATC
 AAAGGCATGGACCAGGGGCTGCTGGGCATGTGCCCTGGAGAGAAAAGGAAGATCATTATCCCTCCCTCC
 TGGCTTATGGGGAGAAAGGCTATGGGACTGTGATACCCCCGAGGCCCTCCCTGGTCTTCTATGTCCTGCT
 GCTGGATGTCCACAACCCGAAGGACACGGTCCAGCTGGAGACGCTGGAGCTGCCCCAGGGCTGTGTCGG
 CGAGCTGTGGCGGGGACTTCATGCGTTACCACTACAATGGCTCTTTGATGGATGGTACCCTCTTTGATT
 CCAGCTACTCCCGAAACACACCTACAATACCTATGTCGGGCAGGGTTACATCATCCCTGGGATGGACCA
 GGGGCTGCAAGGCGCATGCATAGGGGAGCGAAGGAGGATTAAGTGTGCCCTCACCTGCCTACGGGGAG
 AATGGGACAGGAGACAAGATCCCTGGCTCGGCTGTGCTCATCTTCGATGTGCACGTATCGACTCCACA
 ACCCTTCGGACCCTGTGAAATCAAGACGCTGTCCCGCCCTCTGAGAAGTGAATGAGACATCCAAAAT
 CGGGGACTTCATTGCTACCACTACAACGTCTCTGCTGGACGGCACCGGCTCTTCTGTCGCCACGAC
 TATGAGGCCCTCAAGAGATCACCTCGGAGCCAAACAAAGTGATCGAAGGTCTGGACAGGGGCTGCAGG
 GCATGTGTGTAGGAGAGAGGAGGAGCTCATTGTGCCCCACACCTGGCCACGGGAGAAATGGAGCCCG
 GGGTGTCCCTGGCAGTGTGTGCTATTTGAGGTGGAGCTGGTATCCCGAGAGGATGGCTGCCACA
 GGCTACCTGTTTGTGGTACCAGGATCCTTCCACTAGCCTTTTGAAGACATGGATCTCAATAAAGATG
 GAGAGGTGCCCCAGAAGAGTTCTTCTTCCATCAAGGCTCAAGTGAATGAAGGCAAAGGACGCCTCAT
 GCCTGGGCAAGACCCAGACAAAACCATCAGTGACATGTTTCAAGACCAGGACCGGAACCAGGATGGCAAG
 ATCACAGCTGAGGAGCTCAAGCTGAAGTCAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGT

ACGCGTACGCGGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR209108 representing NM_010221
 Red=Cloning site Green=Tags(s)

MFLVGSSTLHRLRILPLLLLLQTLERGLGRASPAGAPLEDVVIERYHIPRACPREVQMGDFVRYHYNG
 TFEDGKKFDSSYDRSTLVAIVVGVGRLITGMDRGLMGMVCNERRRIVPPHLGYSGIVAGLIPPDATLY
 FDVLLLDVWVKADTVQSTILLRPPYCPRMVQNSDFVRYHYNGTLLDGTAFDNSYSRGGTYDITYIGSGWLI
 KGMDQGLLGMCPGEKRKIIIPPFLLAYGEKGYGTVIPPQASLVFYVLLLDVHNPKDTVQLETLELPQGCVR
 RAVAGDFMRYHYNGSLMDGTLFSSYSRNHTYNTYVQGQYIIPGMDQGLQGACIGERRRITVPPHLAYGE
 NGTGDKIPGSAVLIFDVHVIDFHNPSPVEIKTL SRPPENCNETSKIGDFIRYHYNCSLLDGTRLFSSHD
 YEAPQEITLGANKVIEGLDRGLQGMCVGERRQLIVPPHLAHGENGARGVPGSAVLLFEVELVSREDGLPT
 GYLFVWYQDPSTSLFEDMDLNKDGVEPPEEFSSF IKAQVNEGKGRMLPGQDPDKTISDMFQNDQDRNQDGK
 ITAEELKLKSDQERVHEEL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mm9037_g03.zip

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:


ACCN: NM_010221

ORF Size: 1743 bp

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.

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_010221.2](#), [NP_034351.2](#)

RefSeq Size: 2619 bp

RefSeq ORF: 1746 bp

Locus ID: 14230

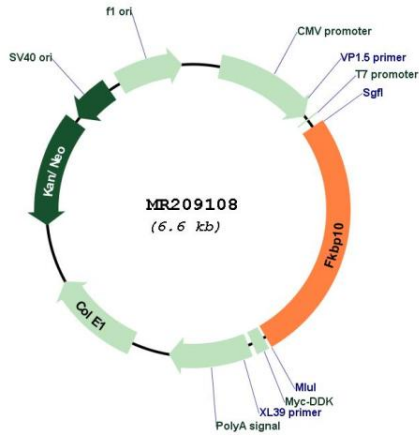
UniProt ID: [Q61576](#)

Cytogenetics: 11 63.47 cM

MW: 65.1 kDa

Gene Summary: PPIases accelerate the folding of proteins during protein synthesis.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR209108