

Product datasheet for **MR220869**

Fkbp10 (NM_001163481) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Fkbp10 (NM_001163481) 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:

>MR220869 representing NM_001163481
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTTCTTGTGGGGTCTCCAGCCACACCTCCATCGGCTCCGCATACTGCCGTTGCTGTGCTTCTAC
 AGACCTTGAGAGGGGACTGGGCCGTGCCAGCCGGCCGAGCCCTTGGAAGATGTGGTCATCGAGAG
 ATACCACATCCCTCGGGCCTGTCCCGAGAAGTGCAGATGGGGATTTTGTGCGTTACCACTACAATGGC
 ACTTTGAAAGACGGGAAAAAGTTTGACTCCAGCTATGACCGTAGCACCTGGTGGCCATCGTTGTGGCG
 TAGGCCGCTCATCACCGGCATGGACGGGGTCTCATGGGCATGTGTGCAACGAGCGCCGCCCTCAT
 TGTGCCTCCACCTGGGCTACGGCAGCATCGGTGTGGCGGGCTCATCCCCCTGATGCCACCCTCTAT
 TTTGACGTGGTCTGCTGGACGTGTGGAACAAAGCAGACCGGTGCAGTCAACTATCCTCTGCGCCCTC
 CCTACTGCCCCGAATGGTGCAGAACAGTGACTTTGTGCGCTACTACTACAATGGCACTCTGCTGGATGG
 CACTGCCTTTGACAACAGCTACAGTAGGGGAGGCACTTATGACACCTACATCGGCTCTGGTTGGCTGATC
 AAAGGCATGGACAGGGGCTGCTGGGCATGTGCCCTGGAGAGAAAAGGAAGATCATTATCCCTCCCTCC
 TGGCTTATGGGGAGAAAGGCTATGGGACTGTGATACCCCCGAGGCCCTCCCTGGTCTTCTATGTCCTGCT
 GCTGGATGTCCACAACCCGAAGGACACGGTCCAGCTGGAGACGCTGGAGCTGCCCCAGGGCTGTGTCGG
 CGAGCTGTGGCGGGGACTTCATGCGTTACCACTACAATGGCTCTTTGATGGATGGTACCCTCTTTGATT
 CCAGCTACTCCCGAAACACACCTACAATACCTATGTCGGGCAGGGTTACATCATCCCTGGGATGGACCA
 GGGGCTGCAAGGCGCATGCATAGGGGAGCGAAGGAGGATTAAGTGTGCCCTCACCTGCCTACGGGGAG
 AATGGGACAGGAGACAAGATCCCTGGCTCGGCTGTGCTCATCTTCGATGTGCACGTCACTGACTCCACA
 ACCCTTCGGACCCTGTGGAATCAAGACGCTGTCCCGCCCTCTGAGAAGTGAATGAGACATCCAAAAT
 CGGGGACTTCATTCGCTACCACTACAACGTCTCTGCTGGACGGCACAGGCTCTTCTCGTCCCACGAC
 TATGAGGCCCTCAAGAGATCACCTCGGAGCCAAACAAAGTGATCGAAGGTCTGGACAGGGGCTGCAGG
 GCATGTGTGTAGGAGAGAGGAGGAGCTCATTGTGCCCCACACCTGGCCACGGGAGAAATGGAGCCCG
 GGGTGTCCCTGGCAGTGTGTGCTATTTGAGGTGGAGCTGGTATCCCAGAGGATGGCTGCCACACA
 GGCTACCTGTTTGTGGTACCAGGATCCTTCCACTAGCCTTTTGAAGACATGGATCTCAATAAAGATG
 GAGAGGTGCCCCAGAAGAGTTCTTCTTCCATCAAGGCTCAAGTGAATGAAGGCAAAGGACGCCTCAT
 GCCTGGGCAAGACCCAGACAAAACCATCAGTGACATGTTTCAAGACCAGGACCGGAACAGGATGGCAAG
 ATCACAGCTGAGGAGCTCAAGCTGAAGTCAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGT

ACGCGTACGCGGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR220869 representing NM_001163481
 Red=Cloning site Green=Tags(s)

MFLVGSSTLHRLRILPLLLLLQTLERGLGRASPAGAPLEDVVIERYHIPRACPREVQMGDFVRYHYNG
 TFEDGKKFDSSYDRSTLVAIVVGVGRLITGMDRGLMGMVCNERRRILVPPHLGYSGIVAGLIPPDATLY
 FDVLLLDVWVKADTVQSTILLRPPYCPRMVQNSDFVRYHYNGTLLDGTAFDNSYSRGGTYDITYISGWL I
 KGMDQGLLGMCPGEKRKIIIPFLAYGEKGYGTVIPPQASLVFYVLLLDVHNPKDTVQLETLELPQGCVR
 RAVAGDFMRYHYNGSLMDGTLFDSSYSRNHTYNTYVQGQYIIPGMDQGLQGACIGERRRITVPPHLAYGE
 NGTGDKIPGSAVLIFDVHVIDFHNPSDPVEIKTL SRPPENCNETSKIGDFIRYHYNCSLLDGTRLFSSHD
 YEAPQEITLGANKVIEGLDRGLQGMCVGERRQLIVPPHLAHGENGARGVPGSAVLLFEVELVSREDGLPT
 GYLFVWYQDPSTSLFEDMDLNKDGVEPPEEFSSF IKAQVNEGKGRMPGQDPDKTISDMFQNDQDRNQDGK
 ITAEELKLSDEDEQERVHEEL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_001163481

ORF Size: 1740 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_001163481.1](#), [NP_001156953.1](#)

RefSeq Size: 2616 bp

RefSeq ORF: 1743 bp

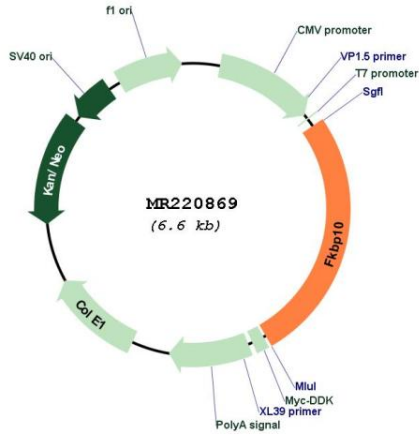
Locus ID: 14230

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 MR220869