

Product datasheet for **MR202290**

Fkbp14 (NM_153573) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Fkbp14 (NM_153573) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Fkbp14
Synonyms:	BC029109; FKBP-14; FKBP22
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR202290 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAGGTTTTTCTGTGGAACGCTATCTTGGCACTGTGGGTACGGTTCTGAGCGGAGCTCTGATTCCTG
AGCCAGAAGTAAAAATCGAAGTTCTCCAGAAGCCATTCATCTGCCATCGCAAGACCAAGGGAGGGGATCT
GATGTTGGTCCACTACGAAGGCTATTTAGAAAAGGACGGCTCCCTGTTTCATTCCACTCACAAACATAAC
AATGGTCAGCCTGTCTGGTTCACCCTGGGCATACTGGAGGTTCTCAAAGGCTGGGACCAAGGCTTGAAGG
GAATGTGTGTGGGAGAGAAGCGAAAGCTCACCGTTCCTCCTGCCCTGGGCTATGGCAAAGAAGGAAAAGG
TAAATCCCTCCAGAGAGCACACTGATATTCAACATTGACCTCCTGGAAATTCGAAATGGCCAAGGTCC
CAGGAGTCGTTTTCAAGAAATGGACCTCAATGACGACTGGAGACTCTTAAGCATGAGGTTAAAGTGATT
TACAGAAGGAGTTTGAGAAGCACGGTGCCGTGGTGAATGAAAGCCATCACGATGCTTTGGTGAAGATAT
TTTTGATAAAGAAGATGAAGACAAAGATGGATTATATCTGCCAGAGAATTTACATATGTGCACGACGAA
CTG

ACGCGTACGCGGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR202290 protein sequence
 Red=Cloning site Green=Tags(s)

MRFFLWNAILALWVTVLSGALIPPEVKIEVLQKPFICHRKTKGGDMLVHYEGYLEKDGSLFHSTHKHN
 NGQPVWF TLGILEVLKGDQGLKGMCVGEKRKLTVPALGYGKEGKGIPESTLIFNIDLLEIRNGPRS
 HESFQEMDLNDDWRLSKHEVKVYLQKEFEKHGAVVNESHHDALVEDIFDKEDEKDGFI SAREFTYVHDE
 L

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_153573

ORF Size: 636 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_153573.2](#)

RefSeq Size: 2714 bp

RefSeq ORF: 636 bp

Locus ID: 231997

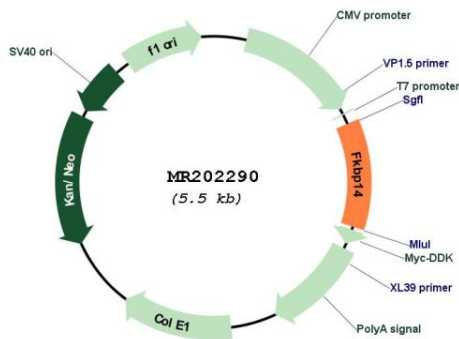
UniProt ID: [P59024](#)

Cytogenetics: 6 B3

MW: 24.3 kDa

Gene Summary: PPlase which accelerates the folding of proteins during protein synthesis. Has a preference for substrates containing 4-hydroxyproline modifications, including type III collagen. May also target type VI and type X collagens.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR202290