

## Product datasheet for **MG202290**

### **Fkbp14 (NM\_153573) Mouse Tagged ORF Clone**

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Fkbp14 (NM\_153573) Mouse Tagged ORF Clone  
**Tag:** TurboGFP  
**Symbol:** Fkbp14  
**Synonyms:** BC029109; FKBP-14; FKBP22  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PS100010)  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**ORF Nucleotide Sequence:** >MG202290 representing NM\_153573  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGAGGTTTTTCTGTGGAACGCTATCTTGGCACTGTGGGTACGGTTCTGAGCGGAGCTCTGATTCCTG  
AGCCAGAAGTAAAAATCGAAGTTCTCCAGAAGCCATTCATCTGCCATCGCAAGACCAAGGGAGGGGATCT  
GATGTTGGTCCACTACGAAGGCTATTTAGAAAAGGACGGCTCCCTGTTTCATTCCACTCACAAACATAAC  
AATGGTCAGCCTGTCTGGTTCACCCTGGGCATACTGGAGGTTCTCAAAGGCTGGGACCAAGGCTTGAAGG  
GAATGTGTGTGGGAGAGAAGCGAAAGCTACCGTTCCTCCTGCCCTGGGCTATGGCAAAGAAGGAAAAGG  
TAAAAATCCCTCCAGAGAGCACACTGATATTCAACATTGACCTCCTGGAAATTCGAAATGGCCCAAGGTCC  
CAGGAGTCGTTTTCAAGAAATGGACCTCAATGACGACTGGAGACTCTTAAGCATGAGGTTAAAGTGATT  
TACAGAAGGAGTTTGAGAAGCACGGTGCCGTGGTGAATGAAAGCCATCACGATGCTTTGGTGAAGATAT  
TTTTGATAAAGAAGATGAAGACAAAGATGGATTTATATCTGCCAGAGAATTTACATATGTGCACGACGAA  
CTG

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >MG202290 representing NM\_153573  
 Red=Cloning site Green=Tags(s)

MRFFLWNAILALWVTVLSGALIPPEVKIEVLQKPFICHRKTKGGDMLVHYEGYLEKDGSLFHSTHKHN  
 NGQPVWF TLGILEVLKGDQGLKGMCVGEKRKLTVPALGYGKEGKGKIPPESTLIFNIDLLLEIRNGPRS  
 HESFQEMDLNDDWRLSKHEVKVYLQKEFEKHGAVVNESHHDALVEDIFDKEDEKDKGFI SAREFTYVHDE  
 L

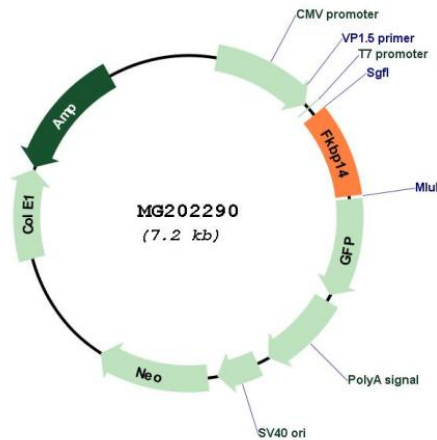
TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_153573

**ORF Size:** 633 bp

<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_153573.2</a>
<b>RefSeq Size:</b>	2714 bp
<b>RefSeq ORF:</b>	636 bp
<b>Locus ID:</b>	231997
<b>UniProt ID:</b>	<a href="#">P59024</a>
<b>Cytogenetics:</b>	6 B3
<b>Gene Summary:</b>	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]