

## Product datasheet for **MG223506**

### Fkbp6 (NM\_033571) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Fkbp6 (NM_033571) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Fkbp6
Synonyms:	36kDa; 1700008G22Rik; AU017274; D5Ertd724; D5Ertd724e; FKBP-6; FKBP-36
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG223506 representing NM_033571 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGAGCGTCTTCTCGCGCCTCAGGAACGGAATCCACCCTCGCGAGACGACTGCCAGTCTCCCTATGAGC  
GACTAAGTCAACGCATGTTGGACATCTCCGGGGACCGAGGTGTGCTGAAGGACATCATCCGAGAGGGCAC  
TGGCGATACCGTGACACCTGACGCTTCTGTGCTGGTAAATATTCTGGATACCTGGAGCACATGGACAAG  
CCTTTTCGATTCTAATTGCTTTAGGAAAACACCTCGGCTGATGAACTTGGAGAAGATATTACACTCTGGG  
GCATGGAGCTGGCCTTCTGAGCATGCGCAAAGGGGAAGTGGCCAGGTTCTGTTCAAGCCAGCCTATGC  
TTACGGCACCCCTGGGGTGCCTCCCTCATCCCGCCAAATGCCACCGTCTGTTTGGAGATCGAGCTGATT  
GACTTCCTGGATTCTGCTGAGTCAGACAAGTCTGTGCACTCTCAGCTGAGCAGCAAGAACAGTTTCCAC  
TCCAGAAAGTCCCTCAAAGTAGCAGCAACTGAGAGGGAGTTTGGCAACTACCTTTTCCGCCAGAATCGCTT  
CTGTGATGCCAAAGTGAATACAAGCGGGCTTGTGCTGCTCCACCGACGATTGGCCACCTGTGAGGAG  
CAGCACTTGGTAGAACCTGCCGTGCTTCTAGTCTCCTAACCTGTCTTTGTGTACCTGAAGCTAGACC  
GACCTGCCATGGCCCTGCGCTATGGGGAGCAGGCTCTGCTCATTGACAAAAGGAACGCCAAGGCCCTCTT  
CAGGTGTGGACAGGCTTGCCCTCCTAACTGAGTATGAGCGGGCCGGGATTTCTAGTGCGAGCTCAG  
AAAGAGCAGCCCTGCAACCATGACATCAATAATGAGCTGAAAAGCTGTCCAGCCACTACAGGGACTATG  
TGGACAGAGAGAGAGAGATGTGTACCGCATGTTGCTCCCTGTGGAAGCAGATCTCAGTGGGAGGAAA  
C

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >MG223506 representing NM\_033571  
 Red=Cloning site Green=Tags(s)

MSVFSRLRNGIPPSRDDCQSPYERLSQRMLDISGDRGVLKDIIREGTGDTVTPDASVLVKYSGYLEHMDK  
 PFDSNCFRKT PRLMKLGEDITLWGMELGLLSMRKGELARFLFKPAYAYGTLCGPPLIPPNAVLFELI  
 DFLDSAESDKFCALSAEQEQFPLQKVLKVAATEREFGNYLFRQNRFCDAKVRYKRALLLHRRLATCEE  
 QHLVEPAVLLVLLNLSFVYLKLRPAMALRYGEQALLIDKRNAKALFRCGQAACLLLTEYERARDFLVRAQ  
 KEQPCNHDIINNELKLLSSHYRDYVDREREMCHRMFAPCGSRSSVGGN

TRTRPLE - GFP Tag - V

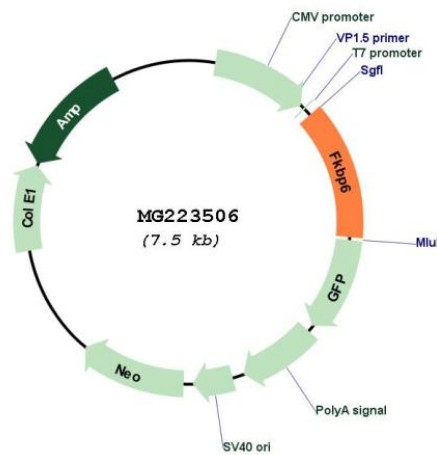
**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



**Plasmid Map:**



**ACCN:** NM\_033571

**ORF Size:** 981 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_033571.3</a> , <a href="#">NP_291049.1</a>
<b>RefSeq Size:</b>	1394 bp
<b>RefSeq ORF:</b>	984 bp
<b>Locus ID:</b>	94244
<b>UniProt ID:</b>	<a href="#">Q91XW8</a>
<b>Cytogenetics:</b>	5 75.11 cM
<b>Gene Summary:</b>	This gene is a member of the FK506-binding protein (Fkbp) family. The encoded protein plays a role in male-specific fertility and homologous pairing of chromosomes during meiosis. The protein may also be involved in LINE1 transposon silencing and binding to Hsp90 as a co-chaperone. Alternative splicing of this gene results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Apr 2013]