

## Product datasheet for **MC226803**

### **Fkbp6 (NM\_001277893) Mouse Untagged Clone**

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Fkbp6 (NM\_001277893) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Fkbp6  
**Synonyms:** 36kDa; 1700008G22Rik; AU017274; D5Ertd724; D5Ertd724e; FKBP-6; FKBP-36  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >MC226803 representing NM\_001277893  
**Red=Cloning site Blue=ORF Orange=Stop codon**

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGAGCGTCTTCTCGCGCCTCAGGAACGGAATCCCACCGTCGCGAGACGACTGCCAGTCTCCCTATGAGC  
GACTAAGTCAACGCATGTTGGACATCTCCGGGACCGAGGTGTGCTGAAGGACATCATCCGAGAGGGCAC  
TGGCGATACCGTGACACCTGACGCTTCTGTGCTGGTAAAATATTCTGGATACCTGGAGCACATGGACAAG  
CCTTTTCGATTCTAATTGCTTTAGGAAAACACCTCGGCTGATGAAACTTGGAGAAGATATTACACTCTGGG  
GCATGGAGCTGGGCTTCTGAGCATGCGCAAAGGGGAACTGGCCAGGTTCTGTTCAAGCCAGCCTATGC  
TTACGGCACCCCTGGGGTGCCTCCCTCATCCCGCAAATGCCACCGTCCTGTTGAGATCGAGCTGATT  
GACTTCTGGATTCTGCTGAGTCAGACAAGTCTGTGCACTCTCAGCTGCTTTGCTGCTGCCACCGAC  
GATTGGCCACCTGTGAGGAGCAGCACTTGGTAGAACCTGCCGTGCTTCTAGTCTCTTAACCTGTCCTT  
TGTGTACCTGAAGCTAGACCGACCTGCCATGGCCCTGCCTATGGGGAGCAGGCTCTGCTCATTGACAAA  
AGGAACGCCAAGGCCCTTTCAGGTGTGGACAGGCTTGCCTCCTCAACTGAGTATGAGCGGGCCCGGG  
ATTTTCTAGTGGAGCTCAGAAAGAGCAGCCCTGCAACCATGACATCAATAATGAGCTGAAAAAGCTGTC  
CAGCCACTACAGGGACTATGTGGACAGAGAGAGATGTGTACCAGCATGTTTCTCCCTGTGGAAGC  
AGATCTTCAGTGGGAGGAAACTGA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_001277893  
**Insert Size:** 864 bp



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<b>OTI Disclaimer:</b>	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
<b>OTI Annotation:</b>	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
<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_001277893.1</a> , <a href="#">NP_001264822.1</a>
<b>RefSeq Size:</b>	1327 bp
<b>RefSeq ORF:</b>	864 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>	<p>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]</p> <p>Transcript Variant: This variant (4) lacks an alternate in-frame exon in the 5' coding region compared to variant 1. It encodes isoform 3, which is shorter than isoform 1. Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments.</p>