

## Product datasheet for **MR229014**

### **Fkbp6 (NM\_001277893) Mouse Tagged ORF Clone**

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Fkbp6 (NM\_001277893) Mouse Tagged ORF Clone  
**Tag:** Myc-DDK  
**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  
**ORF Nucleotide Sequence:** >MR229014 representing NM\_001277893  
**Red=Cloning site Blue=ORF Green=Tags(s)**

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGAGCGTCTTCTCGCGCCTCAGGAACGGAATCCCACCGTCGCGAGACGACTGCCAGTCTCCCTATGAGC  
GACTAAGTCAACGCATGTTGGACATCTCCGGGGACCGAGGTGTGCTGAAGGACATCATCCGAGAGGGCAC  
TGGCGATACCGTGACACCTGACGCTTCTGTGCTGGTAAAATTCTGGATACCTGGAGCACATGGACAAG  
CCTTTTCGATTCTAATTGCTTTAGGAAAACCTCGGCTGATGAACTTGGAGAAGATATTACACTCTGGG  
GCATGGAGCTGGGCCCTTCTGAGCATGCGCAAAGGGGAACTGGCCAGGTTCTGTTCAAGCCAGCCTATGC  
TTACGGCACCCCTGGGGTGCCTCCCTCATCCCGCAAATGCCACCGTCCTGTTTGGATCGAGCTGATT  
GACTTCTGGATTCTGCTGAGTCAGACAAGTCTGTGCACTCTCAGCTGCTTTGCTGCTGCCACCGAC  
GATTGGCCACCTGTGAGGAGCAGCACTTGGTAGAACCTGCCGTGCTTCTAGTCTCTTAACCTGTCCTT  
TGTGTACCTGAAGCTAGACCGACCTGCCATGGCCCTGCCTATGGGGAGCAGGCTCTGCTCATTGACAAA  
AGGAACGCAAGGCCCTTTCAGGTGTGGACAGGCTTGCCTCCTCACTGAGTATGAGCGGGCCCGGG  
ATTTTCTAGTGGAGCTCAGAAAGAGCAGCCCTGCAACCATGACATCAATAATGAGCTGAAAAAGCTGTC  
CAGCCACTACAGGACTATGTGGACAGAGAGAGAGATGTGTCACCGCATGTTTGTCTCCCTGTGGAAGC  
AGATCTTCAGTGGGAGGAAAC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



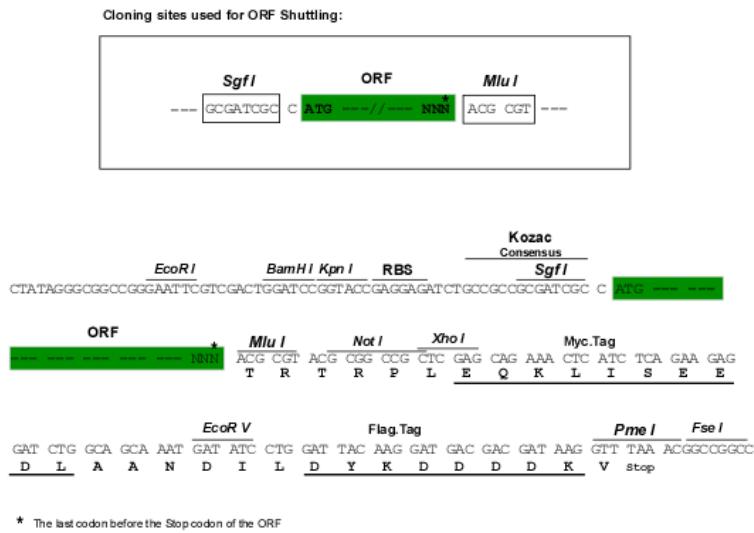
**Protein Sequence:** >MR229014 representing NM\_001277893  
 Red=Cloning site Green=Tags(s)

MSVFSRLRNGIPPSRDDCQSPYERLSQRMLDISGDRGVLKDIIREGTGDTVTPDASVLVKYSGYLEHMDK  
 PFDSNCFRKT PRLMKLGEDITLWGMELGLLSMRKGELARFLFKPAYAYGTLCGPPLIPP NATVLF EIELI  
 DFLDSAESDKFCALSAALLLLHRRLATCEEQHLVEPAVLLVLLNLSFVYLKDRPAMALRYGEQALLIDK  
 RNAKALFRCGQA CLLL TEYERARDFLVRAQKEQPCNHDINNELKKLSSHRYDYVDREREMCHRMFAPCGS  
 RSSVGGN

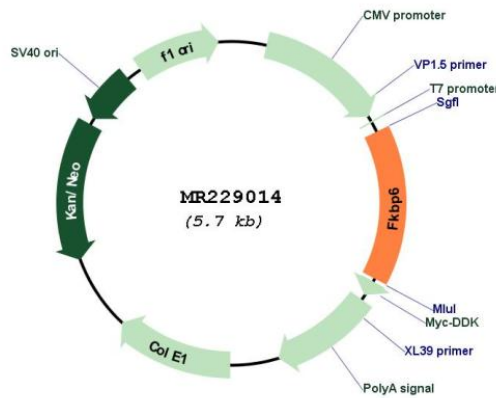
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_001277893

**ORF Size:** 861 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_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>MW:</b>	33 kDa
<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]