

## Product datasheet for **MC223987**

### **Fkbp15 (NM\_001045528) Mouse Untagged Clone**

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Fkbp15 (NM\_001045528) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Fkbp15  
**Synonyms:** BB131447; C430014M02Rik; FKBO133; FKBP-15; FKBP-133; FKBP133; mKIAA0674  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >MC223987 representing NM\_001045528  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGTTCCGGTGCCGGAGACGAGGATGACACCGACTTCTCTCGCCAAGCGGCGGAGCTAAGCTGGCTTCTC  
 TTTTGGACTGGATCAAGCAACTATGGCCATGGAAATGAATTCTCCAGTACACAGCCCCAAAGCAACC  
 TAAGAAAGGCCAGGGAACAGCAGCAGGAAATCAGACAGCACCAAAGCCAGCCCCAGCTACCACAGGCACG  
 TCCTCAGTGCTGTTGGCACTGCAGTGCATACCGCTACATAAATGGTCAATATGCAAAGCAGGGCA  
 AATTTGGAGCGGCTGTCCTGGGGAACCACAAAGCAGAGAGTATAGGATCTTCTTTACATCAGTCAGCA  
 GCAGCCAGTGACTGTTGCTACAATTCATCTGAACCTTTGAGCTAATGGTTCGGCCCAATAACTACAGCACC  
 TTTTATGATGACCAGAGACAAAACCTGGTCTATCATGTTTGAGTCAGAGAAGGCCGCTGTGTCATTCAATA  
 AACAGGTGTGTGGCCAAGTGAATAGCATCTCTCCTTGGATGCAGTGTGTGTCAGGACCTGGTTGC  
 AGCAGAGGGCCCTGCTGTGAAACTGGAGATCTTTAGAAGTAGCCTATACGGGCTGGCTCCTTCAGAAT  
 CATGTGCTGGCCAGGTTTTTGTACTGCTAACAAGATAAGCCGCTTCGCCAAAAATAGGATCAG  
 GAAAAGTTGTCAAGGGCTTAGAGGACGGGCTACTGGGCATGAAGAAAGGAGGAAAGCGCTTAATTATCAC  
 TCCTTCAGCCTGCGCTGCTGGCTCTGAAGGAGTAATAGGCTGGACTCAGCCAACAGACTCCATCCTGGTG  
 TTTGAGGTAGAAGTTAGGCGGGTGAAGTTTGCCAGAGATTCTGGCTCTGATGGCCACAGTGTGAGCTCCC  
 GGGATTCTGCAGCCCCCTCCCCATCCCTGCTTCTGACAGCCTCTCTGCTGATCCTGTTGTGACACCCCT  
 GCCATTGCTCTCAAACCTGGGGAACCGGGTCTTCGTTCCAAATCTAACTCTCTCAGCGAACAGCTAACT  
 GTAATTCAAATCCTGATACGGTCAAGGCCAAGCTGATCTCGAGGATGGCTAAAAAGGGCCAGCCCATGC  
 TACCCATCCTCCGCCACAGCTGGACTCCAATGACTCAGAAACCGAAGATGCAACTGTTCTGCGAGGAGC  
 TGGGCAGTCCCTTGTGACACCATCTATCCAGCCTTCTCTCAGCCAGCTCATCCGGTATTACCACAGATG  
 GCCTCACAGGCACCTCAGCCATCTGGTTCTGGGCTCCAGACACCCCTCTGCTGCCTTGATGCAAGCTGTG  
 CCCTTGATTCTCACTCGGCTGTATCTGGAATGCACAGAATTCAGCCCTATGCAGGTGTGCAAGCCTA  
 TGCATATCCCAGACACCCCTCAGTTACTTCCAGCTGCAGCCTGTTCCGGCCCTGTACCCAGCACCACTG  
 TCCAGGCTCCCACTTTCAAGGATCAGGAGACATGATGTCTTTCTCATGACTGAAGCCCGGCAACACA



AACTGAAATTCGAATGGCAGTCAACAAAGTGGCTGATAAAATGGATCACCTCATGACTAAGGTGGAGGA  
 GTTACAGAAGCATAGCTCTGGCAACTCCATGCTTCTTCCCTAGCATGTCCGGTCACAATGGAAACAAGCATG  
 ATTATGAGCAACATCCAGCGCATCATCCAGGAAAATGAGAGACTGAAGCAGGAGCTCCTTGAGAAAAGCA  
 GTCGGATAGAAGAGCAGAATGACAAGATTAGTGACCTCATTGAACGCAACCAGAGATATGTTGAGCAGAG  
 TAACCTGATGATGGAGAAGGGAACAACCTCGCTTCAAACAGCCACAGAAAACACACAGGCAAGAATTTG  
 CATGCTGAACAAGAGAAGGCCAAGGTAACAGAAGAGTTAGCAGCAGCTACTGCACAGGTGTCTCACCTGC  
 AGCTGAAAATGACGGCTCACAGAAGAAGGAGACAGAATTGCAGTTGCAGCTGACAGACAACCTTGAAGGA  
 GACAGATCTTCTCAGGGGCCACGTCAACCAGGCTCCAGGCTGACCTCTCGGAGCTCCGAGAAGCCTCTGAG  
 CAAACACAGACCAAATTCAAAAGTGAAAAGCAGAGCCGGCGGAGCTGGAGCTCAAGGTAACATCCCTGG  
 AGGAAGAGCTGACTGACCTCCGAGCTGAGAAGACCTCCCTTGAAGAAGCCTCTCAGAGAGGAAAAAGAA  
 GTCAGCTCAGGAGCGCTGCCAGGCGGAGGCAGAGATGGACGAGATTGCAAGTCACACCAGGAGGAACTG  
 GACAGACTTCGGCAGCTCTTGAAGAAGGCTCGGGTGTCCACAGACCAAGCAGCTGCAGAGCAGCTGACTC  
 TTGCACAGGCTGAGCTGCAGAGCCAGTGGGAGGCTAAGTGTGAGCAGCTTTTGGCCTCTGCAAGAGATGA  
 ACACCTGCAGCAATACCGAGAAGTGTGCGCGCAGAGGGATGCCCATCAACAGAAGCTGGCTCTCCTTCAG  
 GATGAGTGCTTAGCTCTCCAGGCCAGATCGCAGCCTTCACTGAACAGAAGGAACACATGCAGCGACTGG  
 AGAAGACTAAGTCCCAGGCACCTGCAGGACAGCTGCTGCTGACCCTCAGAGAAGGTCAAGAAGATCAT  
 GAACCAGGTGTTCCAGTCACTGAGGGGAGAGTTTGAGCTGGAGGAATCTTATGATGGAGGGACCATTCTG  
 AGGACCATCATGCATACAATTAAGATGGTGACGCTGCAGCTGTTGAACCATCAGGAGGAAGAGGAGGAAG  
 AGGAAGAGGAGGAGGAAGAGGAGAAGAAGCCCTGAGACCTTCCCTGGAGCAGCCAGGCCCTGCCACCCC  
 GGGGATGCCTCCAGCACCCCAAGTGGGAGACGCAGGAGGCTCCCGAGGTGCTGCCAGAACAGGTAGTA  
 GGGGAGACCACCCCACTGCCTCTACAGGCTCTCCCACGCCAGAGAATGGTGCACAGACAAGGAAAGGGG  
 AGCCCCGAGAAGCGGAGGTACCTTCAGAAATCAAAGACAGTTCTCTCCCACCTCAGCCAGCTGGCATCCC  
 AGCTCACAGAGTCTGGGGCCCCGACTTCAATCCCACCTAACCTCCAGGACCTGTAACATATGGACTCT  
 GAGTCTGAGGAGATGCTTGCTGCTGACCAGAGAACAGTGCAGCCCAATGGCTTGTGGGAGAAGAACATG  
 TCAGGGAAGTAGCCACAGATGGTCTACTGCAAGGCAACTCCAGGAGATTGCACTGACTCCAGACCTGA  
 GAAGGGAGAGCCACCAGCCTTAGACCCTGAAAGCCAAGGAGGAGAAGCTCAGCCTCCTGAGTCAAACAA  
 GCTGAGGATGTTAGTAGCTCTGGTCCCCGTGAGACGCTGTTAGACACAGAGCTTGCTTCAGCAGCTGCAG  
 GGACATCCCTCAGGCACAACCAGGACTCCAGCACTGCAGTCTCTCTGGAGATGAAGAGGACGAGCTGTT  
 TAAAGGAGCGACTCTGAAAGTCCGAGGCCACAGCCAGCCTGAGGAGGAGGATGAAGATGAGGTGAGC  
 ATGAAGGGACGCCCGCTCCAACCCCTTTTTGGAGACGATGATGATGATGATGACGATGACATTGGCT  
 GGCTGGGGTGA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** Sgfl-MluI  
**ACCN:** NM\_001045528  
**Insert Size:** 3651 bp

<b>OTI Disclaimer:</b>	<p>Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at <a href="mailto:custsupport@origene.com">custsupport@origene.com</a> or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>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></p>
<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_001045528.1</a> , <a href="#">NP_001038993.1</a>
<b>RefSeq Size:</b>	4363 bp
<b>RefSeq ORF:</b>	3651 bp
<b>Locus ID:</b>	338355
<b>UniProt ID:</b>	<a href="#">Q6P9Q6</a>
<b>Cytogenetics:</b>	4 B3
<b>Gene Summary:</b>	Involved in the transport of early endosomes at the level of transition between microfilament-based and microtubule-based movement (By similarity). May be involved in the cytoskeletal organization of neuronal growth cones. Seems to be inactive as a PPIase.[UniProtKB/Swiss-Prot Function]