

## Product datasheet for **MC220539**

### **Fbxl5 (NM\_001159963) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Fbxl5 (NM_001159963) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Fbxl5
Synonyms:	Fbl4; Fir4
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >MC220539 representing NM\_001159963  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGGCGCCCTTCCCCGATGAAGTGGACGTCTTACCGCCCCGACTGGCGGATGAAGCAGCTGGTGGGGC  
 GCTACTGCGACAAGCTTTCTAAAACCAACTTTTCCAACAACAATGACTTCCGTGCTTCTCCAGTCTTT  
 ATATGCTACTTTCAAGGAGTTTAAAATGCATGAACAAATTGAAAATGAATACATTATCGGTTTACTTCAG  
 CAGCGCAGTCAGACCATATATAATGTACTCTGACAATAAGCTCTCCGAGATGCTGAGTCTTTTGAAA  
 AGGGGCTGAAGAATGTCAAGAATGAGTACGAACAGTTAAATTAAGCAAAACAGCTGAAAGAGAGATTGGA  
 GGCTTTTACAAGAGATTTTCTTCTCACATGAAAGAGGAAGAAGAGGTTTTTTCAGCCCATGTTAATGGAA  
 TATTTTACCTACGAGGAGCTTAAAGATATCAAAAAGAAAGTATTGCACAGCACTGCTCACAGAAGGACA  
 CGGCAGAGCTCCTCAGAGGGCTCAGTCTGTGGAACCAAGCTGAGGAGCGACAGAAAGTTCTCAAGTACTC  
 TGTGGATGAGAAGGCAGATACAGAAGCGGAAGTGTGAGAACACTCCACAGGTATAACCCATCTTCTCTCT  
 GAGGTAATGCTGTCCATTTTTCAGTTACCTTAATCTCAAGAATTGTGTCGGTGTAGTCAAGTCAAGTACTA  
 AGTGGTCTCAGCTGGCAAAAACAGGATCTTTGTGGAAACATCTTACCCTGTTTATTGGCAAGAGGTGA  
 CTGGTATAGTGGTCTGCCACTGAACTTGATACTGAGCCTGATGAGGAATGGGTGAGAAATAGGAAAGAT  
 GAAAGTCGTGCTTCCAGGAGTGGGATGAAGATGCCGATATAGATGAATCTGAAGAGTCTGCAGAGGAAT  
 CGGTTGCTATCAGCATTGCACAAATGAAAAACGTGTACTCCATGGCTTAATTCATAATGTTCTGCCATA  
 TGTTGGTACCTCTGTAAAACTTTAGTGTAGCGTACAGCTCTGCAGTCTCCAGCAAAATGGTTAGGCAG  
 ATTTTAGAGCTTTGTCTAACCTGGAACATCTGGATCTTACCCAGACCGACATTTCTGATTCTGCATTTG  
 ACAGTTGGTCTTGGCTCGGTTGCTGCCAGAGTCTTCGGCATCTTGATCTGTCTGGATGTGAAAAATCAC  
 AGACATGGCTCTAGAGAAGATTTCTAGAGCTCTTGGAGTTCTGACATCTCATCAGAGTGGCTTTCTGAAA  
 AGTGCAGGCAAGGCTGCTTCAACTCCATGGACAAGTAAAGACATTACCATGCCATCCACCACGCAGTATG  
 CCTGTTTGCACAATTTAACTGACAAAGGCATTGGTGAAGAAATAGACAACGAGCACTCTTGGACTGAACC  
 TGTGTCTTCTGAAAGTTTGACTTCTCCTTATGTGTGGATGCTAGATGCTGAAGATTTGGCTGATATTGAA  
 GATGCTGTAGAGTGGAGACACAGAAATGTTGAGAGTCTCTGTGTGATGGAACAGCCTCCAACCTTGGTT  
 GTTCTCATCTGGTTGTTACAGTAAGGACATTGTGGGATTAAGGACTAGTGTCTGTTGCCAGCAGCATTG  
 TGCTTCTCCAGCCTTTGCATATTGTGGTCACTTCTGTGTACAGGGACAGCTTAAAGAACTATGACT  
 AACTCCAGCAGCTTCTGCAATGTGTAGAAAAGCATTAAAGGACTACATTGCCAGGGGAAAGACTTAA  
 TTTATTTGGGAGTGAAGAGTCTGACCAAGAGACTGGACGAGTACTTTTGTCTCAGTCTGTCTGGATG  
 TTACCAGATCACAGACCATGGTCTCAGGGCTCTGACTCTGGGAGGAGGGCTGCCTTACCTGGAGCACCTG  
 AATCTCTCTGGCTGTCTGACTGTAAGTGGTGCAGGGCTGCAGGATTTGGTCTCAGCGTGTCTTCCCTAA  
 ATGACGAATACTTTTACTACTGTGACAACATAACGGTCTCATGCTGACACCGCAGTGGATGCCAGAA  
 TTTGCAGTGTGGTTTTTCGAGCCTGCTGCCGCTCTGGCGAATGA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_001159963  
**Insert Size:** 2073 bp

**OTI Disclaimer:** 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>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>	<u>NM_001159963.1, NP_001153435.1</u>
<b>RefSeq Size:</b>	2855 bp
<b>RefSeq ORF:</b>	2073 bp
<b>Locus ID:</b>	242960
<b>UniProt ID:</b>	<u>Q8C2S5</u>
<b>Cytogenetics:</b>	5 B3
<b>Gene Summary:</b>	<p>Component of some SCF (SKP1-cullin-F-box) protein ligase complex that plays a central role in iron homeostasis by promoting the ubiquitination and subsequent degradation of IREB2/IRP2. Upon high iron and oxygen level, it specifically recognizes and binds IREB2/IRP2, promoting its ubiquitination and degradation by the proteasome. Promotes ubiquitination and subsequent degradation of DCTN1/p150-glued (By similarity).[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (A).</p>