

Product datasheet for **MC220930**

Fbx15 (BC047214) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Fbx15 (BC047214) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Fbx15
Synonyms:	Fbl4; Fir4
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >BC047214
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGAGAAACAACCAGGAGTTAAATACGAAATAAAATGGAAGCACCTTGACTGCAGTGTCTGTCGAGCTTT
 CTA AACCAACTTTTCCAACAACAATGACTTCCGTGCTCTTCTCCAGTCTTTATATGCTACTTTCAAGGA
 GTTTAAATGCATGAACAATTGAAATGAATACATTATCGGTTTACTTCAGCAGCGCAGTCAGACCATA
 TATAATGTACTCTGACAATAAGCTCTCCGAGATGCTGAGTCTCTTTGAAAAGGGGCTGAAGAATGTCA
 AGAATGAGTACGAACAGTTAAATATGCAAAACAGCTGAAAGAGAGATTGGAGGCTTTTACAAGAGATTT
 TCTTCTCACATGAAAGAGGAAGAAGAGGTTTTTCAGCCCATGTTAATGGAATATTTTACCTACGAGGAG
 CTTAAAGATATCAAAAAGAAAGTGATTGCACAGCACTGCTCACAGAAGGACACGGCAGAGCTCCTCAGAG
 GGCTCAGTCTGTGAACCAAGCTGAGGAGCGACAGAAAGTTCTCAAGTACTCTGTGGATGAGAAGGCAGA
 TACAGAAGCGGAAGTGTGAGAACACTCCACAGGTATAACCCATCTTCTCCTGAGGTAATGCTGTCCATT
 TTCAGTTACCTTAATCCTCAAGAATTGTGTCGGTGTAGTCAAGTCAAGTCAAGTACTAAGTGGTCTCAGCTGGCAA
 AAACAGGATCTTTGTGGAACATCTTTACCTGTTTCATTGGGCAAGAGGTGACTGGTATAGTGGTCTCTGC
 CACTGAACTTGATACTGAGCCTGATGAGGAATGGGTGAGAAAATAGGAAAGATGAAAGTCGTCTTTCCAG
 GAGTGGGATGAAGATGCCGATATAGATGAATCTGAAGAGTCTGCAGAGGAATCGGTTGCTATCAGCATTG
 CACAAATGGAAAACGTGTACTCCATGGCTTAATTCATAATGTTCTGCCATATGTTGGTACCTCTGTAAA
 AACTTTAGTGTTAGCGTACAGCTCTGCAGTCTCCAGCAAAATGGTTAGGCAGATTTTAGAGCTTTGTCT
 AACCTGGAACATCTGGATCTTACCCAGACCGACATTTCTGATTCTGCATTTGACAGTTGGTCTTGGCTCG
 GTTGCTGCCAGAGTCTTCGGCATCTTGATCTGTCTGGATGTGAAAAAATCACAGACATGGCTCTAGAGAA
 GATTTCTAGAGCTCTTGGAGTTCTGACATCTCATCAGAGTGGCTTCTGAAAAGTGCAGGCAAGGCTGCT
 TCAACTCCATGGACAAGTAAAGACATTACCATGCCATCCACCACGCAGTATGCCTGTTTGCACAATTTAA
 CTGACAAAAGGCATTGGTGAAGAAAATAGACAACGAGCACTTTGGACTGAACTGTGTCTTCTGAAAGTTT
 GACTTCTCCTTATGTGTGGATGCTAGATGCTGAAGATTTGGTGTATTGAAGATGCTGTAGAGTGGAGA
 CACAGAAATGTTGAGAGTCTCTGTGTGATGGAACAGCCTCCAACCTTTGGTTGTTCTCATCTGGTTGTT
 ACAGTAAGGACATTGTGGGATTAAGGACTAGTGTCTGTTGGCAGCAGCATTGTGCTTCTCCAGCCTTTGC
 ATATTGGTTCATTCTGTTGTACAGGACAGCTTTAAGAACTATGACTACACTCCCAGCGACTTCT
 GCAATGTGTAGAAAAGCATTAAAGGACTACATTGCCAGGGGAAAGACTTAATTTATTTGGGAGTGAAA
 AGTCTGACCAAGAGACTGGACGAGTACTTTTGTCTCAGTCTGTCTGGATGTTACCAGATCACAGACCA
 TGGTCTCAGGGCTCTGACTCTGGGAGGAGGGCTGCCTTACCTGGAGCACCTGAATCTCTCTGGCTGTCTG
 ACTGTAACCTGGTGCAGGGCTGCAGGATTTGGTCTCAGCGTGTCTTCCCTAAATGACGAATACTTTTACT
 ACTGTGACAACATTAACGGTCTCATGCTGACACCGCCAGTGGATGCCAGAATTTGCAGTGTGGTTTTTCG
 AGCCTGCTGCCGCTCTGGCGAATGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCTGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: BC047214

Insert Size: 2055 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).

Components:	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).
Reconstitution Method:	<ol style="list-style-type: none">1. Centrifuge at 5,000xg for 5min.2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.3. Close the tube and incubate for 10 minutes at room temperature.4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.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.
RefSeq:	<u>BC047214, AAH47214</u>
RefSeq Size:	2778 bp
RefSeq ORF:	2054 bp
Locus ID:	242960
Cytogenetics:	5 B3
Gene Summary:	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]