

Product datasheet for **MC219875**

Fbx15 (NM_178729) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Fbx15 (NM_178729) 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: >MC219875 representing NM_178729
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGCGCCCTTCCCCGATGAAGTGGACGTCTTCACCGCCCCGACTGGCGGATGAAGCAGCTGGTGGGGC
 GCTACTGCGACAAGCTTTCTAAAACCAACTTTTCCAACAACAATGACTTCCGTGCTCTTCTCCAGCTTT
 ATATGCTACTTTCAAGGAGTTTAAAATGCATGAACAAATTGAAAATGAATACATTATCGGTTTACTTCAG
 CAGCGCAGTCAGACCATATATAATGTACACTCTGACAATAAGCTCTCCGAGATGCTGAGTCTCTTTGAAA
 AGGGGCTGAAGAATGTCAAGAATGAGTACGAACAGTTAAATTAAGCAAAACAGCTGAAAGAGAGATTGGA
 GGCTTTTACAAGAGATTTTCTTCTCACATGAAAGAGGAAGAAGAGGTTTTTTCAGCCCATGTTAATGGAA
 TATTTTACCTACGAGGAGCTTAAAGATATCAAAAAGAAAGTATTGCACAGCACTGCTCACAGAAGGACA
 CGGCAGAGCTCCTCAGAGGGCTCAGTCTGTGGAACCAAGCTGAGGAGCGACAGAAAGTTCTCAAGTACTC
 TGTGGATGAGAAGGCAGATACAGAAGCGGAAGTGTGAGAACACTCCACAGGTATAACCCATCTTCTCCT
 GAGGTAATGCTGTCCATTTTCAGTTACCTTAATCCTCAAGAATTGTGTCGGTGTAGTCAAGTCAAGTACTA
 AGTGGTCTCAGCTGGCAAAAACAGGATCTTTGTGGAACATCTTTACCCTGTTTATTGGCAAGAGGTGA
 CTGGTATAGTGGTCTGCCACTGAACCTTGATACTGAGCCTGATGAGGAATGGGTGAGAAATAGGAAAGAT
 GAAAGTCGTGCTTTCCAGGAGTGGGATGAAGATGCCGATATAGATGAATCTGAAGAGTCTGCAGAGGAAT
 CGGTTGCTATCAGCATTGCACAAATGGA AAAACGTGACTCCATGGCTTAATTCATAATGTTCTGCCATA
 TGTTGGTACCTCTGTA AAAACTTTAGTGTAGCGTACAGCTCTGCAGTCTCCAGCAAAATGGTTAGGCAG
 ATTTTAGAGCTTTGTCTAACCTGGAACATCTGGATCTTACCCAGACCGACATTTCTGATTCTGCATTTG
 ACAGTTGGTCTTGGCTCGGTTGCTGCCAGAGTCTCGGCATCTTGATCTGTCTGGATGTGAAAAATCAC
 AGACATGGCTCTAGAGAAGATTTCTAGAGCTCTTGGAGTTCTGACATCTCATCAGAGTGGCTTTCTGAAA
 AGTGCAGGCAAGGCTGCTTCAACTCCATGGACAAGTAAAGACATTACCATGCCATCCACCACGCAGTATG
 CCTGTTTGCACAATTTAACTGACAAAAGGCATTGGTGAAGAAATAGACAACGAGCACTCTTGGACTGAACC
 TGTGTCTTCTGAAAGTTTGACTTCTCCTTATGTGTGGATGCTAGATGCTGAAGATTTGGCTGATATTGAA
 GATGCTGTAGAGTGGAGACACAGAAATGTTGAGAGTCTCTGTGTGATGGAACAGCCTCCAACCTTGGTT
 GTTCTCATCTGGTTGTTACAGTAAGGACATTGTGGGATTAAGGACTAGTGTCTGTTGCCAGCAGCATTG
 TGCTTCTCCAGCCTTTGCATATTGTGGTATTCTGTTGTACAGGGACAGCTTAAAGAACTATGACT
 AACTCCAGCAGCTTCTGCAATGTGTAGAAAAGCATTAAAGGACTACATTGCCAGGGGAAAGACTTAA
 TTTATTTGGGAGTGAAGAGTCTGACCAAGAGACTGGACGAGTACTTTTGTCTCAGTCTGTCTGGATG
 TTACCAGATCACAGACCATGGTCTCAGGTGGGTGATCAGCCCTAGTTGT**TAG**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_178729

Insert Size: 1872 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:

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: [NM_178729.4](#), [NP_848844.1](#)

RefSeq Size: 2421 bp

RefSeq ORF: 1872 bp

Locus ID: 242960

UniProt ID: [Q8C2S5](#)

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]

Transcript Variant: This variant (2) has a different 3' terminus, compared to variant 1, which results in a protein (isoform B) with a shorter and distinct C-terminus, compared to isoform A.