

Product datasheet for **MR215379**

Fbxw15 (NM_199036) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Fbxw15 (NM_199036) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Fbxw15
Synonyms:	Fbxo12j
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR215379 representing NM_199036
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGCGATCCATTACCTTGTGGCCGATGATGAAAATCCTCTCCTATCTGGATGCCTACAGTTTGCTAC
 AGGCTGCCCAAGTGAACAAGGACTGGAATGAACTTGCCAGCAGTATGTCTGTGGAGGAAATTTGTGTCA
 GAAGAGATGGCTCTACTGTGACATGGATACCCTGCAGCTCCAGGGCAAAGAGACATGGAAGCAGTTCTTC
 ATTGATCGAATATGGCAAGAACGTGCCAAGTCCCGTCAAAGGCAAAGATTTCACTTACAAGGAAATTC
 CTTTGTGTGGACTTTTTGGATATGCATGTTATATCTCAGGGTGTGGCTTAACAAGAAAGGGACAAGA
 CAAGTCTGTTGTCTGTATGGTGAATCCAAGAATAACAATTTCCACCTGGGATGTTACAAGAGCCTTATA
 ACCTGGAAAAGCCGAGACAGCCGGCAAGTATCAAGCTGTTGACTACCCTCCCTGAGATGCACATTGCAG
 TCACTGTAGATATCAATCAACTATCAACTGTGGGACTGTACAAACAGGGAAGCTCTGGCGACTAACAA
 CCTGAAGTCTCCATGCAAATCACTGAAAGCTGTCTTTACCAAGGATGGCCCAATTGTCTTGATAGGTGAT
 ACCTTGGGTAACATCCACATCTTTAGGATTCAGATTTATACCTATTTCCACAGTCAATGTATTGCCAT
 ATGGTTTTGATGGAATCTACTGTTCTCCTCAGAAGAAATGGGTCTTACTGAGTAAGAAAACCCACATAT
 TTTGCCAAAGGTGTTTTACATGAGCAGCTTTCTGAGGACATCAGAATTTCTTGCCCTGTGTCTACCGTT
 CTCAAATTATCCTTATATGAAAGAGTCTTCTGGACACCAAGAAGGGAAGACAGGATAACCCTGATGTCCA
 GAAGTGGTTTTCCCAAGTCAAATGTTTGAACATATGATATCAAGCTGGAAGAGTTTGGGAACAAAAG
 AATTGTTAAAGGAAAATGATAGCAAGCTTCGAGTTACAATGTACAAGTGAACCCACAGAGGTTTGGG
 GTCAGTGATAAGAACGTGATTGTTTGTCAACTGAATCCTCTCTTGTCTTTCGACATAAATGGTCTCC
 GTCTAAAGACATTTCACTACTGCCAGAAATGATCGTGAACCTCAGTGTGGACCCCTTCAATGTCATTGT
 CATTGTAACACTGGCTCTATGGATGTGTATGCATGGGAGGAGAGAAGCCTGCTGCTCAGGAAGTGTAT
 CGACTGCACATTGAGAGACCTCTGCCACTGTACGGCTTCAATTTATAAAGCAGCATGTGATGTGAGCA
 TAATTCAGTTGATTACAGATGAGCTCAGCTCAGCTCTGACTTCATATGCCTTGAACATCTGCTCT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR215379 representing NM_199036
 Red=Cloning site Green=Tags(s)

MAIHLPLPMMKILSYLDAYSLLQAAQVNKDWNELASSDVLWRKLCQKRWLYCDMDTLQLQKQKQKQF
 IDRIWQERAKFRAKAKDFTYKEIPLMCGLFYACYISGCGLTRKGQDKSVVCMVNSKNTISTWDVHKSVI
 TWKSPEQPASIKLLTTLPEMHIIVTDIQSTIKLWDCHNREALATNNLKSPEKSLKAVFTKDGPIVLIGD
 TLGNIHIFRIPDLYLISTVNVLPYGFYDGIYCSQKQKVVLLSKKHPHILPKVYFYMSSFLRTSEFSAPVSTV
 LKLSLYERVFWTPRRREDRITLMSRSGFPQKMFETYDIKLEEFGNKRIVKGLIASFELQCHKVNPQRFG
 VSDKNVIVCSTESSLLLFINGLRLKTFQYCPMIVKLSVDPLHVIVICNTGSMDEVYAWEERSLLLRKCY
 RLHIERPLPLYGFYKAAACDDVSIQLITDELSLSSLTSYALNICS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mm9086_c09.zip

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:


ACCN: NM_199036

ORF Size: 1398 bp

OTI Disclaimer: 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. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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_199036.2](#), [NP_950201.2](#)

RefSeq Size: 1520 bp

RefSeq ORF: 1401 bp

Locus ID: 382105

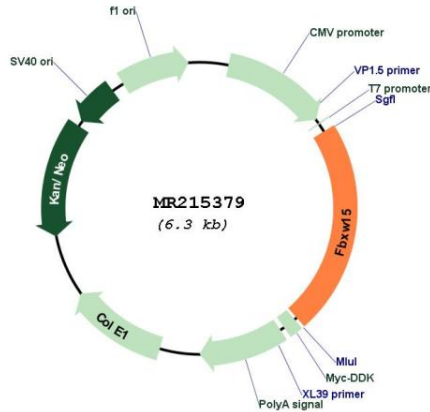
UniProt ID: [L7N1X6](#)

Cytogenetics: 9 F2

MW: 53.6 kDa

Gene Summary: Substrate-recognition component of an SCF (SKP1-CUL1-F-box protein)-type E3 ubiquitin ligase complex. Promotes KAT7 ubiquitination and subsequent degradation in collaboration with MAP2K1 kinase, leading to reduced histone H3K14 acetylation and increased cell proliferation.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR215379