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Product datasheet for MC206507

Fbxw5 (BC010776) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Fbxw5 (BC010776) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Fbxw5
Synonyms:	AI159739; Fbw5
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)

Fully Sequenced ORF:

>BC010776
GAAGCCGGGCGCAGCGCAGCGGGCAGAGGCACCGCGGACCGTCTGGGCAGAATGTCACGATGGATGAGGG
GGGCCTGCCCCTGCTCCCCGACAGCCTTGTCTACCAGATCTTCCTGAGTTTGGGCCCTGCAGATGTGCTG
GCTGCTGGGCTGGTATGCCGCCAATGGCAGGCTGTGTCCCGGGATGAGTTCTTATGGAAGGAGCAATTCT
ACCGCTACTACCAGGTGGCTCGAGATGTGCCCCGCCACCCAGCGGCCACATCCTGGTATGAGGAGTTCCG
GCGGCTCTATGACATGGTACCCTGTGTGGAGGTGCAGACACTGAAGGAGCACACTGACCAGGTCCTGCAC
CTCAGCTTCTCCCACTCGGGGTACCAGTTTGCCTCCTGCTCCAAGGACTGCACGGTGAAGATCTGGAACA
ACGACCTGACCATCTCACTGCTGCACAGTGCAGATATGAGGCCATACAACTGGAGTTACACCCAGTTTTC
CCAGTTCAACCAGGATGACTCACTGCTGCTGGCCTCAGGGGTGTTCCTGGGGCCACATAACTCCTCCTCA
GGCGAGATAGCTGTCATCAGCTTAGACTCCTTCGCCCTGCTGTCCCGTGTGCGAAACAAGCCCTATGATG
TGTTTGGCTGCTGGCTCACAGAAACCAGCCTCATTTCGGGGAACCTGCACCGCATTGGAGATATCACCTC
CTGCTCAGTGCTGTGGCTCAACAATGCCTTCCAGGATGTGGAGTCAGAGAATGTCAACGTGGTAAAGCGG
CTCTTTAAGATCCAGAACCTCAATGCCAGCACCATCCGCACAGTGATGGTGGCTGACTGTAGCCGCTTTG
ATAGCCCGGACCTCCTGCTGGATGCTAGCGACCAGGCTGGGCTCCCCTGCCGAGTCTTTGACCTAGGTGG
GGACACTGAAGAAGAGGCCACTGACCCAGGTTTGCACACTTCTGGTTCTGACCACGTCAAGAAAGGTTTA
CGGCGTGTGTTTGATAGCGTCTTGGATGGACACGGACAGCTATCGGATTGTGCACTGGAGACCAAGGTGG
CTGAGCTGCTGGCCCAGGGCCACACCAAGCCTCCAGAGTGCAATGACGCTGACACCAGGAATAAGTACCT
CATCTTCACCACTGGCTGCCTCACGTACTCACCGCATCAGATCGGCATCAAGCAGATCCTGCCACACCAG
ATGACAACTGCAGGGCCCGTGCTGGGCGAGGGCCGGGGCTCTGATGCCTTCTTTGATGCCCTGGACCATG
TCATTGATGTGCATGGGCACATCATTGGCATGGGCCTGTCTCCTGATAACAGGTACCTGTATGTGAATAG
CCGTGCCTGGCCCCCTGGCTCAGTGGTAGCCGACCCCATGCAGCCACCACCCATTGCGGAGGAGATTGAC
TTGCTGGTGTTTGATCTCAAGACCATGCGAGAGGTGAAGCGAGCTCTTCGAGCGCACCGTGCCTACACAC
CCAATGACGAGTGCTTCTTCATCTTCTTGGATGTCAGCAGGGATTTTGTGGCCAGTGGGGCTGAAGATCG
GCATGGCTATATCTGGGACCGCCACTACAACATCTGCCTAGCCAAGCTGCGGCATGAGGATGTGGTCAAC
TCCGTGGCTTTTAGCCCCCAGGAGCAGGAACTCTTGCTGACAGCCAGCGACGATGCCACTATCAAAGCCT
GGCGTTCACCACGCATTGTTCGTGTTCTGCAGGCTCCACGCCCTCGCCCCCGCCCTCGCCCCCGCCCCTT
CTTCTCCTGGTTTGCCAGCCATAGGCGCTGAAGGCTTCAGTGATTTGAGCCATTGGAACCTACTGGGGAA
AATGGTACCCCGTGGTTCTTTATTGCACTGGGGCAGAGTAGCTCATAGCAGCAATGCCTTAGGAGGGGCA
GCCTGACCCCAACACACACACACACACACACACACACACAAAACCTGCTCACTTAGCCATAAGGCTTAGCAC
TAGGGTAGCCCTTGTTGGCAGCACCAGATCCCATGCTAGCCTCTTGGCTAGCTTGGGGTACACAGGTCAT
TGGGAACCCTGTTCTTCACCTACCCTCTTCCCTTGGGTTGGCAGCTCACACAGGTCCAAGCTGGCTTCTG
CCTGGGTACCTTTCATATTCAGCCAAACCCACACCCTTGGATGTCTTGAGTGTACCCTGGGCAGCAGGCC
ACAGGCACTGGTCTCTGATAATTCAGTTTTTGCTACTGAGTGGCCTGCAGTGGACTGTGGGTGCTGCATG
CTGCACTCCTGAACTGTTTGGGCCTGAATAAACAGTTGGCAACAGCAAAAAAAAAAAAAAA

Restriction Sites: EcoRI-NotI

ACCN: BC010776

Insert Size: 1722 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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	BC010776, AAH10776
RefSeq Size:	2301 bp
RefSeq ORF:	1722 bp
Locus ID:	30839
Cytogenetics:	2 A3
Gene Summary:	Substrate recognition component of both SCF (SKP1-CUL1-F-box protein) and DCX (DDB1-CUL4-X-box) E3 ubiquitin-protein ligase complexes. Substrate-specific adapter of the DCX(FBXW5) E3 ubiquitin-protein ligase complex which mediates the polyubiquitination and subsequent degradation of TSC2. May also act as a negative regulator of MAP3K7/TAK1 signaling in the interleukin-1B (IL1B) signaling pathway. Substrate recognition component of the SCF(FBXW5) E3 ubiquitin-protein ligase complex which mediates the ubiquitination and subsequent proteasomal degradation of SASS6 during S phase, leading to prevent centriole reduplication (By similarity). The SCF(FBXW5) complex also mediates ubiquitination and degradation of actin-regulator EPS8 during G2 phase, leading to the transient degradation of EPS8 and subsequent cell shape changes required to allow mitotic progression. [UniProtKB/Swiss-Prot Function]