

## Product datasheet for **MC219576**

### **Fbxw8 (NM\_172721) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Fbxw8 (NM_172721) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Fbxw8
Synonyms:	4930438M06Rik; FBW6; FBW8; Fbx29; FBXO29
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >MC219576 representing NM\_172721  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGACGACCACAACCTGGAGGAGTTCGCGCGCACTGGCAGGAGGAGTTGGCGCAGTCACAGGCGCTGA  
 GCGCAGCGCGCGGCTCGAGGCTGGGGAGCGCGGTTCGCCGGAAGGCCGAGGCCGGAGCGCAGGCGA  
 GCCGGCTCGGGTACCTGGGGCTGGCGCAGGGGCTGCTGGAGGGCGCGGGCCGACCCCCGGCGCCAGG  
 CCTGGCCGGGAGGCGACAGGAAGGATACGTCCAGCCGATCGCGCTCACCCAGACCGCAGCCACGG  
 AGCCCCAGCCGCTGGTGGATCAGCTCATCCGCGACTTGAATGAGCTGGATGACGTGCCCTCTTTGATGT  
 CCGTCTGCCTTACGAAGTGGCCATCAATATATTCCAGTATCTGAACAGAAGAGAGCTGGGACTGTGTGT  
 CAGGTGAGCAAGACATGGAAGGTGATTGCTGAAGACGAGGTGCTGTGGTACCGGCTGTGCCACAGGAGG  
 GGCACCTTCCCCACAGCAGATTCTCGATTACACCTGCTGGAAGCTCATCTTGAAGAGTGCCTCGCCAA  
 GGAGCACACATTAAGAGCCAACCTGGAAGAATCGCAAAGGTGCCGTGAGCGAGCTGGAGCATGTTCCCGAC  
 GCTGTTTTGTGTGACGTGCGTTCTCACGATGGTGTGGTATTGCTGGATACACGTAGGGGATGTGCGGG  
 TGTGGGACACCCGCACCTGGGACTACGTGGCCCCCTTCTGGAGTCTGAGTCTGAGGAGGAGGATCCTGG  
 AATGCAGCCATATGTCTCCTTTGTGAGGATCAACAGCTCGCTGGCAGTGGCGGCTTACGAGGATGGGATC  
 CTTAACATTTGGGACCTGAGAACCAGGAGTTCCCTATCTTTGTTTTGAGCATGACGCAAGAATAACAAG  
 CCCTTGCCTGAGCCAAGAAAAGCCATTGTTGCCACGGCTTCTGCTTTTGACGTTGTGATGTTGTACCC  
 CAACGAGGAGGGGCTTGGCATGTGGCTCGGAGTTTGAAGTTCAGAAGCTGGTTGACTACCTTGAATA  
 GTTCCGAATACTGGGAGGTACCCTGTGGCAATAGCCACAGCCGGGATCTGGTGTACCTGCTGAAGGCCG  
 ACGACTAGCCAGAACCCTTATTATGTCTATGGCCAGCCTGCCACATGTCTGGATGCTCAGCCAGCCA  
 GGTTGCCTTTGGAGTGAAGAGTCTAGGATGGGTGTATGAAGGAAACAAGATCCTGGTGTACAGCCTGGAA  
 GCAGAGCGCTGCCTCTCGAAGCTGGCAATGCACTTGGAGACTTTACCTGTGTAACATCCGGGATAGCC  
 CTCCAACCTCATGGTCAGCGGCAACATGGACAGGAGAGTGAGGATCCATGACCTCCGCAGCGATAAGAT  
 CGCCCTGTGCTGTCTGCCATCAGCTGGGGGTGTCGCGAGTCCAGATGGATGACTGGAAGGTTGTCAGT  
 GGAGGCGAGGAGGGGCTGGTGTCTGTGTGGATTACCGCATGAACCAGAAGCTGTGGGAAGTCACTCCA  
 GGCACCCTGTGCGCTATCTCCTTCAATAGCCACAGCCTCATCACTGCCAACGTGCCCTACGAGAAGGT  
 GCTGCGAAACTCCGACCTCGACAACCTTTCCTGTACAGGAGACATCGTGGCCTGATCCATGCCTATGAA  
 TTTGCTGTGGACCAGCTGGCCTTTCAGAGCCCCCTTCTGTCTGCGGCTTACCCCGTACATCATGGCTG  
 GATACAGCTATGACCTCGCACTGCTTTCCCCATGACAGTATT**TAG**

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM\_172721
- Insert Size:** 1797 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\\_172721.2](#), [NP\\_766309.2](#)

**RefSeq Size:** 4978 bp

**RefSeq ORF:** 1797 bp

**Locus ID:** 231672

**UniProt ID:** [Q8BIA4](#)

**Cytogenetics:** 5 F

**Gene Summary:** Substrate-recognition component of a Cul7-RING ubiquitin-protein ligase complex, which mediates the ubiquitination and subsequent proteasomal degradation of target proteins. The Cul7-RING(FBXW8) complex mediates ubiquitination and consequent degradation of GORASP1, acting as a component of the ubiquitin ligase pathway that regulates Golgi morphogenesis and dendrite patterning in brain. The Cul7-RING(FBXW8) complex also mediates ubiquitination of MAP4K1/HPK1: recognizes and binds autophosphorylated MAP4K1/HPK1, leading to its degradation, thereby affecting cell proliferation and differentiation. Associated component of the 3M complex, suggesting that it mediates some of 3M complex functions (By similarity).[UniProtKB/Swiss-Prot Function]