

Product datasheet for **MR206453**

Fbxw4 (NM_013907) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Myc-DDK
Symbol:	Fbxw4
Synonyms:	Dac; dactylin; dactylyn; Fbw4; SHFM3; SHSF3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence: >MR206453 representing NM_013907
Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTGAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGCGGAGGACGCGCGGAGGATGCCGACGCGCGCGCTGGAGCCGGCCACCCGTCCGGCCGCGGGG
CCGCGCTCTGGCGCTGCCGAGGAGCTGCTGCTCATCTGCTCCTACCTCGACACGCGGGCCCTCGG
CCGCTGGCCCAAGTCTGCCGCTGGCTGCGGCGCTTACCAGCTGCGACCTGCTCTGGCGCCGATAGCC
CGGCGCTCGCTCAACACCGGCTTACGCGGCTCGGCACCGACCTCATGGCAGGCAATCCAGTAAAGGAGC
GCGTGAAGTGTCTCAGAAGTGGCGGCTGGGGCGCTGCCGAGATCGGATTCTGCTGAAGTGGAGATATAG
TCAGATGCCTTGGATGCAGCTACAGGATGCTTCTGTACCTATCACAGGCTAATTTTCATCTGGCCTAC
CAGTTCCGCCCGGATGGTGCAAGCTTGAACCGACGGCCCTTCAGAGTCTTCTCTGGGCATGATGAGGACG
TCTGTCACTTTGTGCTGGCCAACTCCACATCGTCAGTGCAGGAGGAGACGGGAAGATCGGTGTTCAAA
GATCCACAGCACCTTCACTGTCAAGTACTCGGCTCACGAGCAGGAGGTGAAGTGTGTGGACTGTAAAGGT
GGCATCATTGTGAGTGGCTCCCGGGACAGGACAGCCAAGGTATGGCCTCTGGCCTCGGGCCGGCTGGGGC
AGTGCTTACACACCATCCAGACCGAAGACCGAGTCTGGTCCATTGCTATCAGCCCACTACTCAGCTCTTT
TGTGACTGGAACAGCTTGTGTGGGCACTTCTCACCTCTGAGAATCTGGGACCTCAACAGTGGGACGCTG
ATCACACATCTGGGCAGTGACTTTCGCCAGGGGCTGGGGTGTAGATGTCATGTATGAGTCCCCCTCA
CACTGCTGTCTGTGGTTATGACACCTATGTTGCTATTGGGACCTCCGCACAAGTACACGAAATGTGT
CATGGAGTGGGAGGAGCCTCATGACAGTACCTTCTACTGCCTACAGACAGACGGCAACCACTGCTGGCC
ACAGGCTCCTCTACTACGGTCTCGTGGGCTGTGGGACCGACGCCAGCGGGCTTGCCTGCATGCCTTCT
CATTGACGTCGACCCCACTCAGCAGCCCTGTGTACTGCCTGCGGTTCACTAGGCATCTCTATGCTGC
GCTGTCTTACAACCTCCACGTCTTAGACTTTCAGAACCCA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGTTTAA



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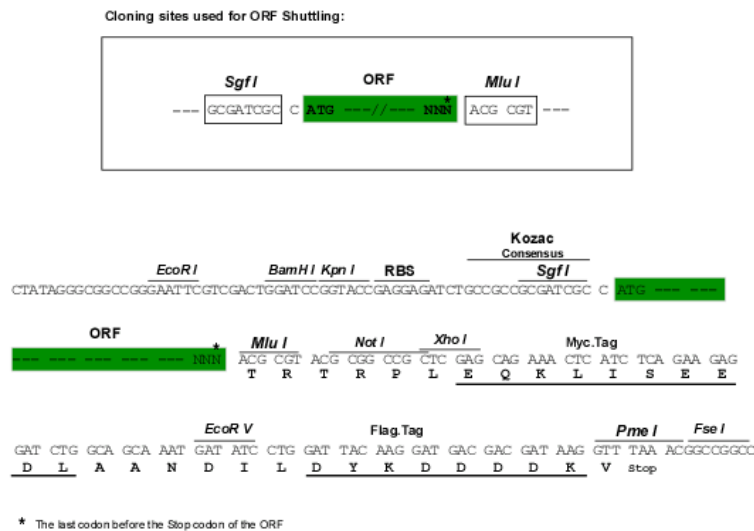
MAEDAAEDAAAAVEPATRPAAGPALWRLPEELLLICSYLDTRALGRLAQVCRWLRFTSCDLLWRPIA
RASLNTGFTRLGTDLMAGIPVKERVKLSQNWRLGRCRDRILLKWRYSQMPWMQLQDASLYLSQANFILAY
QFRPDGASLNRPRFRVFSGHDEDVCHFVLANSIHVSAGGDGKIGVHKIHSTFTVKYSAHEQEVNCDCKG
GIIVSGSRDRTAKVWPLASGRLGQCLHTIQTEDRVWSIAISPLLSFVTGTACCGHFSPLRIWDLNSGQL
ITHLGSDFFPGAGVLDVMYESPSTLLSCGYDTYVRYWDLRTSTRKCYMEWEEPHDSTFYCLQTDGNHLLA
TGSSYYGLVRLWDRRQRACLHAFSLTSTPLSSPVYCLRFTTRHLYAALSYNLHVLDFQNP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9036_g06.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_013907

ORF Size: 1230 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_013907.2](#), [NP_038935.1](#)

RefSeq Size: 1946 bp

RefSeq ORF: 1233 bp

Locus ID: 30838

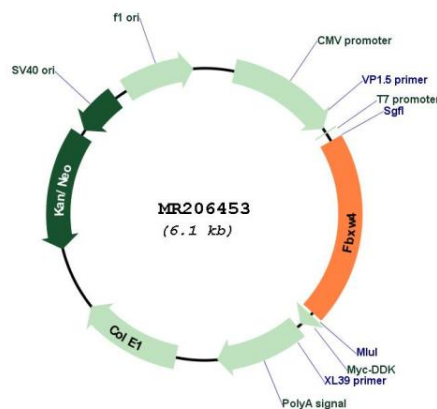
UniProt ID: [Q9JMJ2](#)

Cytogenetics: 19 38.75 cM

MW: 46.6 kDa

Gene Summary: Probably recognizes and binds to some phosphorylated proteins and promotes their ubiquitination and degradation. Likely to be involved in key signaling pathways crucial for normal limb development. May participate in Wnt signaling.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR206453