

Product datasheet for **RC235114**

FBXW10 (NM_001267586) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	FBXW10 (NM_001267586) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	FBXW10
Synonyms:	Fbw10; HREP; SM2SH2; SM25H2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC235114 representing NM_001267586 Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTAAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGAACCTGGAATCAAGGCTCAAGAATGCCCCCTATTTTCGTTGTGAGAAGGGAACCGATTCCATCC
 CTCTATGCCGGAAGTGTGAGACGTGTGTCTAGCCTGGAAGATCTTCTCTACCAAGAGTGGTCTGCAG
 GATCAATGACATATCACAGAGGAGGTTTCTAGTTGGCATTCTGAAGCAGTTAAATAGCTTATATTTGTTA
 CACTATTTCCAAAATATCCTTCAGACCACACAGGGAAAGGATTTTCATCTATAACAGGTCCCGATCAACC
 TCAGCAAGAAAGAGGGGAAAGTTGTGAAGTCCTCCTTGAACCAAATGTTGGATAAAACAGTAGAACAGAA
 GATGAAAGAGATCTTGTACTGGTTTGCGAACAGCACCCAGTGGACCAAGGCGAATTATACTCTCTTACTG
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 CAAGTCTGCGACCTCACAAGTCTATTGGACAGCCAAAACCTCAGCACACATCCCTTCCTTTGTCCAAAGCC
 CCAGAAAATGAACACTTGCTTGGGGCAGCATCTAACCTGAGGAACCATGGAGGAATTCCTCCGGTGTA
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TTCGGTGGTCACCAGGGGACTATCACTTGCATGGACTTGTGTAAGAACAGGCTCGTATCTGGAGGAAGAG
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AATTTACGAAGCAAGGGAACAGCGGCCCTGAAGTGGACAAATGTATTTATC

ACGCGTACGCGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAGGTTTAA

Protein Sequence:

>RC235114 representing NM_001267586
Red=Cloning site Green=Tags(s)

MENLESRLKNAPYFRCEKGTDSIPLCRKCETCVLAWKIFSTKEWFCRINDISQRRFLVGILKQLNSLYLL
HYFQNILQTTQKDFIYNRSRINLSKKEGKVVKSSLNQMLDKTVEQKMEILYWFANSTQWTKANYTLALL
LQMCNPKLLLTAANVIRVFLREENNISGLNQDITDVCFSPEKDHSSKSATSQVYWTAKTQHTSLPLSKA
PENEHLLGAASNPEEPWRNSLRICISEMNRFLSGKGDITKPGYDPCNLLVDLDDIRDLSGFSKYRDFIRY
LPIHLSKYILRMLDRHTLNKCAVSQHWAAQAQVKMDLSAHGFIQNQITFLQGSYTRGIDPNYANKVSI
PVPKMVDDGKSMRVKHPKWLRTKNEYNLWTAYQNEETQQVLEIERNVFCGTYNVRILSDTWDQNRVIHY
SGGDLIAVSSNRKIHLDDIIQVKAIPVEFRGHAGSVRALFLCEEENFLLSGSYDLIRYWDLKSGVCTRI
FGGHQGTITCMDLCKNRLVSGGRDCQVKVWDVDTGKCLKTFRHKDPILATRINDTYIVSSCERGLVKVWH
IAMAQLVKTLSGHEGAVKCLFFDQWHLLSGSTDGLVMAWSMVGKYERCLMAFKHPKMVVNTESNVLMFQF
EHIKWQYAVEKTKQKKNKEKEEKEENSLMEILSKCNIQVHSPRESVSSKQTVIQELLPGKPPKSRVLLK
PAKFSSAVLIEELQSQGSKSPRRDADDVEKAQKQGQLETPGKLPSHPKKKSWKIPMSPDQFLLTVSALQ
HAHNSGEFAYPCRPQTEITDVWGPSISYPRKVLNFKGKSIQRAVDRLRLSNPPIDVKRTSIPLEIQKLQP
NLKISLHSPRVQSTIPQPMIIRSRFSGSLKGGDQVTSSIERAVCSTGPLTSMQVIKPNRLAPQVGTATL
SLKKERPRIYTALDPFRVNTEFVLLTVKEEKEHQEAKMKEYQARESTGVVDPGKVSAAWIRKIKGLPID
NFTKQKTAAPELGQNVFI

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:


ACCN: NM_001267586

ORF Size: 2997 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.

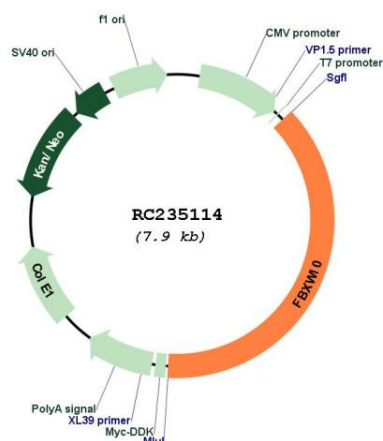
Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_001267586.2](#)

RefSeq Size: 3293 bp
 RefSeq ORF: 3000 bp
 Locus ID: 10517
 UniProt ID: [Q5XX13](#)
 Cytogenetics: 17p11.2
 MW: 114.4 kDa

Gene Summary: Members of the F-box protein family, such as FBXW10, are characterized by an approximately 40-amino acid F-box motif. SCF complexes, formed by SKP1 (MIM 601434), cullin (see CUL1; MIM 603134), and F-box proteins, act as protein-ubiquitin ligases. F-box proteins interact with SKP1 through the F box, and they interact with ubiquitination targets through other protein interaction domains (Jin et al., 2004 [PubMed 15520277]).[supplied by OMIM, Mar 2008]

Product images:



Circular map for RC235114