

Product datasheet for **RC203594**

FBX07 (NM_012179) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	FBX07 (NM_012179) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	FBX07
Synonyms:	FBX; FBX07; FBX7; PARK15; PKPS
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RC203594 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAGGCTGCGGGTGC GGCTTCTGAAGCGGACCTGGCCGCTGGAGGTGCCCGAGACGGAGCCGACGCTGG
 GGCATTTGCGCTCGCACCTGAGGCACTCCCTGCTGTGCACCTGGGGGTACAGTTCTAATACCCGATTAC
 AATTACATTGAACTACAAGGATCCCCTCACTGGAGATGAAGAGACCTTGGCTTCATATGGGATTGTTTCT
 GGGGACTTGATATGTTTGATTCTTCAAGATGACATTCCAGCGCCTAATATACCTTCATCCACAGATTCAG
 AGCATTCTTCACTCCAGAATAATGAGCAACCCTCTTTGGCCACCAGCTCCAATCAGACTAGCATAACAGGA
 TGAACAACCAAGTGATTCATTCCAAGGACAGCCAGCCAGTCTGGTGTGGGATGACGACAGTATGTTA
 GGGCCTAGTCAAATTTGAAGCTGAGTCAATTCAAGATAATGCGCATATGCGAGAGGGCACAGGTTTCT
 ATCCCTCAGAACCATGCTCTGTAGTGAATCGGTGGAAGGCAAGTGCCACATTCATTAGAGACCTTGTA
 TCAATCAGCTGACTGTTCTGATGCCAATGATGCCTTGATAGTGTGATACATCTTCTCATGTTGGAGTCA
 GGTACATACCTCAGGGCACGAAGCCAAAGCACTGTCCATGCCGAGAAAGTGGAAAGTTGAGCGGGGTGT
 ATAAGCTGCAGTACATGCATCCTCTCTGCGAGGGCAGCTCCGCTACTCTCACCTGTGTGCCTTTGGGAAA
 CCTGATTGTTGAAAATGCTACACTAAAAATCAACAATGAGATTAGAAGTGTGAAAAGATTGCAGCTGCTA
 CCAGAATCTTTATTTGCAAAGAGAAAAGTAGGGGAAAAATGAGCCAACATATACAAAGATCTTCAGAAAC
 TCTCTCGCCTCTTTAAAGACCAGCTGGTGTATCCTCTTTGGCTTTTACCCGACAAGCACTGAACCTACC
 AGATGATTTGGGTTGGTCTGCTCCATTGGAAGTAACTACGGATCTTCCGACTTCTGGATGTTGCT
 TCCGCTTGTCTTTGCTGCGGTTTGTGCTGACCTCTTACTGCTTCAAATGACCCACTCCTGTGGAGGT
 TTTTATATCTGCGTGATTTTCGAGACAATACTGTCAGAGTTCAAGACACAGATTGGAAAGAAGTACAG
 GAAGAGGCACATACAAAGAAAAGAATCCCGAAAAGGGCGGTTTGTGATGCTCCTGCCATCGTCAACTCAC
 ACCATTCCATTCTATCCCAACCCCTTGACCCCTAGGCCATTTCTAGCTCCCGCCTTCTCCAGGAATTA
 TCGGGGGTGAATATGACCAAGACCAACTTCCCTATGTTGGAGACCAATCAGTTCACCTATTCTCGG
 TCCTGGGAGACGCCAGCCAGTTTCTCCACTGAGACCAGCTTTGATCCAGTTGGCCACTTCCAGGA
 CCTAACCCATCTTGCCAGGGCGAGGGCGGCCCAATGACAGATTTCCCTTTAGACCCAGCAGGGGTGCGC
 CAACTGATGGCCGGCTGTCATTCATG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC203594 protein sequence
 Red=Cloning site Green=Tags(s)

MRLRVRLKRTWPLEVPEPETEPTLGHLSHLRQSLCTWGYSSNTRFTITLNYKDPLTGDDETLASYGIVS
 GDLI LILQDDIPAPNIPSSDSEHSSLQNEQPSLATSSNQTSIQDEQPSDSFQQAASQGVWDDSM
 GPSQNFEAESIQDNAHMAEGTFYPSMPLCSESVEGQVPHSLETLYQSADCSANDALIVLIHLLMLES
 GYIPQGEAKALSMPEKWKLSGVYKLYMHPLCEGSSATLTCVPLGNLIVVNATLKINNEIRSVKRLQLL
 PESFICKEKLGENVANIYKDLQKLSRLFKDQLVYPLLAFTQALNLPDVFGLVVLPLELKLRIFRLLDVR
 SVLSLAVCRDLFTASNDPLLWRFLYLRDFRDNTVRVQDQDWKELYRKRHIQRKESPKGRFVMLLPSTH
 TIPFYPNPLHPRFPSSRLPPGIIGGEYDQRPTLPYVGDPISSLIPGPGETPSQFPPLRPRFDPVGPLPG
 PNPILPGRGGPNDRFPFRPSRGRPTDGRLSFM

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mk6674_a08.zip

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_012179

ORF Size: 1566 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_012179.2](#)

RefSeq Size: 2153 bp

RefSeq ORF: 1569 bp

Locus ID: 25793

UniProt ID: [Q9Y311](#)

Cytogenetics: 22q12.3

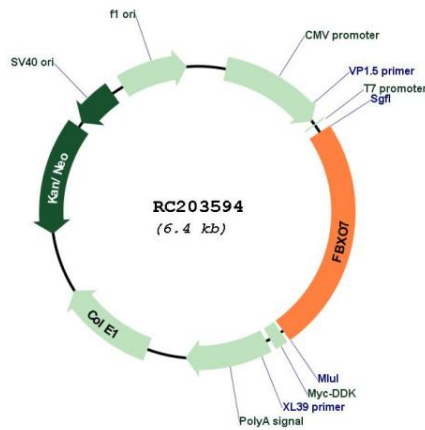
Domains: F-box

Protein Families: Druggable Genome

MW: 58.5 kDa

Gene Summary: This gene encodes a member of the F-box protein family which is characterized by an approximately 40 amino acid motif, the F-box. The F-box proteins constitute one of the four subunits of the ubiquitin protein ligase complex called SCFs (SKP1-cullin-F-box), which function in phosphorylation-dependent ubiquitination. The F-box proteins are divided into 3 classes: Fbws containing WD-40 domains, Fbls containing leucine-rich repeats, and Fbxs containing either different protein-protein interaction modules or no recognizable motifs. The protein encoded by this gene belongs to the Fbxs class and it may play a role in regulation of hematopoiesis. Alternatively spliced transcript variants of this gene have been identified with the full-length nature of only some variants being determined. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RC203594