

Product datasheet for **RG203594**

FBXO7 (NM_012179) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	FBXO7 (NM_012179) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	FBXO7
Synonyms:	FBX; FBX07; FBX7; PARK15; PKPS
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG203594 representing NM_012179
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAGGCTGCGGGTGC GGCTTCTGAAGCGGACCTGGCCGCTGGAGGTGCCCGAGACGGAGCCGACGCTGG
 GGCATTTGCGCTCGCACCTGAGGCACTCCCTGCTGTGCACCTGGGGGTACAGTTCTAATACCCGATTAC
 AATTACATTGAACTACAAGGATCCCCTCACTGGAGATGAAGAGACCTTGGCTTCATATGGGATTGTTTCT
 GGGGACTTGATATGTTTGATTCTTCAAGATGACATTCCAGCGCCTAATATACCTTCATCCACAGATTCAG
 AGCATTCTTCACTCCAGAATAATGAGCAACCCTCTTTGGCCACCAGCTCCAATCAGACTAGCATAACAGGA
 TGAACAACCAAGTGATTCATTCCAAGGACAGCCAGCCAGTCTGGTGTGGGATGACGACAGTATGTTA
 GGGCCTAGTCAAATTTGAAGCTGAGTCAATTCAAGATAATGCGCATATGGCAGAGGGCACAGGTTTCT
 ATCCCTCAGAACCATGCTCTGTAGTGAATCGGTGGAAGGGCAAGTCCACATTCATTAGAGACCTTGTA
 TCAATCAGCTGACTGTTCTGATGCCAATGATGCCTTGATAGTGTGATACATCTTCTCATGTTGGAGTCA
 GGTACATACCTCAGGGCACGAAGCCAAAGCACTGTCCATGCCGAGAAGTGGAAAGTTGAGCGGGGTGT
 ATAAGCTGCAGTACATGCATCCTCTCTGCGAGGGCAGCTCCGCTACTCTCACCTGTGTGCCTTTGGGAAA
 CCTGATTGTTGAAAATGCTACACTAAAAATCAACAATGAGATTAGAAGTGTGAAAAGATTGCAGCTGCTA
 CCAGAATCTTTATTTGCAAAGAGAAAAGTAGGGGAAAAATGAGCCAACATATACAAAGATCTTCAGAAAC
 TCTCTCGCCTCTTTAAAGACCAGCTGGTGTATCCTCTTTGGCTTTTACCCGACAAGCACTGAACCTACC
 AGATGATTTGGGTTGGTCTGCTCCATTGGAAGTAACTACGGATCTCCGACTTCTGGATGTTGCT
 TCCGCTTGTCTTTGCTGCGGTTTGTGCTGACCTCTTACTGCTTCAAATGACCCACTCCTGTGGAGGT
 TTTTATATCTGCGTGATTTTTCGAGACAATACTGTCAGAGTTCAAGACACAGATTGAAAAGAACTGTACAG
 GAAGAGGCACATACAAAGAAAAGAATCCCGAAAAGGGCGGTTTGTGATGCTCCTGCCATCGTCAACTCAC
 ACCATTCCATTCTATCCCAACCCCTTGACCCCTAGGCCATTTCTAGCTCCCGCCTTCTCCAGGAATTA
 TCGGGGGTGAATATGACCAAAGACCAACTTCCCTATGTTGGAGACCAATCAGTTCACCTATTCTCGG
 TCCTGGGAGACGCCAGCCAGTTTCTCCACTGAGACCAGCTTTGATCCAGTTGGCCACTTCCAGGA
 CCTAACCCATCTTGCCAGGGCGAGGCGGCCCAATGACAGATTTCCCTTTAGACCCAGCAGGGGTGCGC
 CAACTGATGGCCGGCTGCATTCATG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG203594 representing NM_012179
 Red=Cloning site Green=Tags(s)

MRLRVRLKRTWPLEVPETEPTLGHLSHLRQSLCTWGYSSNTRFTITLNYKDPLTGDEETLASYGIVS
 GDLICLILQDDIPAPNIPSSDSEHSSLQNEQPSLATSSNQTSIQDEQPSDSFQQAQSGVWDDSM
 GPSQNFEAESIQDNAHMAEGTFYPSEPMLCSESVEGQVPHSLETLYQSADCSDANDALIVLIHLLMLES
 GYIPQGTAKALSMPEKWKLSGVYKLYMHPLCEGSSATLTCVPLGNLIVVNATLKINNEIRSVKRLQLL
 PESFICKEKLGENVANIYKDLQKLSRLFKDQLVYPLAFTRQALNLPDVFGLVVLPLELKLRIFRLLDVR
 SVLSLAVCRDLFTASNDPLLRFLYLRFDRDNTVRVQDQDWKELYRKRHIQRKESPKGRFVMLLPSSHT
 TIPFYNPPLHPRFPSSRLPPGIIGGEYDQRPTLPYVGDPISSLIPGPGETPSQFPPLRPRFDPVGPLPG
 PNPILPGRGGPNDRFPFRPSRGRPTDGRLSFM

TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-MluI

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:	<ol style="list-style-type: none">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:	Q9Y3I1
Cytogenetics:	22q12.3
Domains:	F-box
Protein Families:	Druggable Genome
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 natures of only some variants being determined. [provided by RefSeq, Jul 2008]