

## Product datasheet for RC232675

### FBXO7 (NM\_001257990) Human Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** FBXO7 (NM\_001257990) Human Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** FBXO7  
**Synonyms:** FBX; FBXO7; FBX7; PARK15; PKPS  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**ORF Nucleotide Sequence:** >RC232675 representing NM\_001257990  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCCGCGATCGCC

ATGCAGGATGAACAACCAAGTGATTCATTCCAAGGACAGGCAGCCAGTCTGGTGTGGAAATGACGACA  
 GTATGTTAGGGCCTAGTCAAAATTTGAGCTGAGTCAATTCAAGATAATGCGCATATGGCAGAGGGCAC  
 AGGTTTCTATCCCTCAGAACCCATGCTCTGTAGTGAATCGGTGGAAGGGCAAGTCCACATTCATTAGAG  
 ACCTTGATCAATCAGCTGACTGTTCTGATGCCAATGATGCCTTGATAGTGTGATACATCTTCTCATGT  
 TGGAGTCAGGTTACATACCTCAGGGCACCAGCAAGCCAAAGCACTGTCCATGCCGGAGAAGTGGAAAGTTGAG  
 CGGGGTGATAAGCTGCAGTACATGCATCCTCTCTGCGAGGGCAGCTCCGCTACTCTCACCTGTGTGCC  
 TTGGGAAACCTGATTGTTGTAATGCTACACTAAAAATCAACAATGAGATTAGAAGTGTGAAAAGATTGC  
 AGCTGCTACCAGAATCTTTATTTGCAAAGAGAAACTAGGGGAAAATGTAGCCAACATATACAAAGATCT  
 TCAGAACTCTCTCGCCTCTTTAAAGACCAGCTGGTGTATCCTCTTCTGGCTTTTACCCGACAAGCACTG  
 AACCTACCAGATGATTTGGGTTGGTCGTCCTCCATTGGAAGTAACTACGGATCTTCCGACTTCTGG  
 ATGTTCTGTTCCGCTTTGCTTTGCTGCGGTTTGTGCTGACCTTTACTGCTTCAAATGACCCACTCCT  
 GTGGAGGTTTTATATCTGCGTGATTTTCGAGACAATACTGTGAGATTCAAGACACAGATTGGAAGAA  
 CTGTACAGGAAGAGGCACATACAAAGAAAAGAATCCCCGAAAGGGCGGTTTGTGATGCTCCTGCCATCGT  
 CAACTCACACCATTCCATTCTATCCCAACCCCTTGACCCCTAGGCCATTTCTAGCTCCCGCCTTCTCC  
 AGGAATTATCGGGGGTGAATATGACCAAAGACCAACTTCCCTATGTTGGAGACCCAATCAGTTCACTC  
 ATTCTGGTCTGGGAGACGCCAGCCAGTTTCTCCACTGAGACCACGCTTTGATCCAGTTGGCCAC  
 TTCCAGGACCTAACCCATCTTGCCAGGGCGAGGGCGCCCAATGACAGATTTCCCTTTAGACCCAGCAG  
 GGGTCGGCCAACCTGATGGCCGGCTGTCATTCATG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >RC232675 representing NM\_001257990  
 Red=Cloning site Green=Tags(s)

MQDEQPSDSFQGGAAQSGVWDDSM LGPSQNF EAESIQDNAHMAEGTGFYPSEPM LCSESVEGQVPHSLE  
 TLYQSADCS DANDALIVLIHLLMESGYIPQGTEAKALSMPEKWKLSGVYKLYQMHP LCEGSSATLTCVP  
 LGNLIVVNATLKINNEIRSVKRLQLLPESFICKEKLGENVANIYKDLQKLSRLFKDQLVYPLLAFTROAL  
 NLPDVFGLVVLPLELKLRIFRLLDVRSVLSL SAVCRDLFTASNDPLLWRFLYLRDFRDNTVRVQD TDWKE  
 LYRKRHIQRKESPKGRFVMLLPSSHTTIPFYPNPLHPRFPFPSSRLPPGIIGGEYDQRPTLPYVGDPISSL  
 IPGPGETPSQFPPLRPRFDPVGPLPGPNPILPGRGGPNDRFPFRPSRGRPTDGRLSFM

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

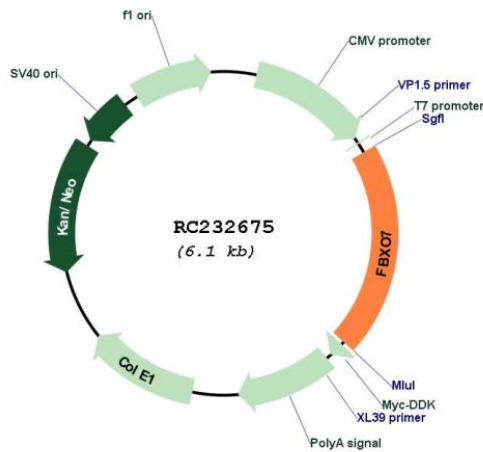
**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_001257990

<b>ORF Size:</b>	1224 bp
<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_001257990.1</a> , <a href="#">NP_001244919.1</a>
<b>RefSeq Size:</b>	1910 bp
<b>RefSeq ORF:</b>	1227 bp
<b>Locus ID:</b>	25793
<b>UniProt ID:</b>	<a href="#">Q9Y3I1</a>
<b>Cytogenetics:</b>	22q12.3
<b>Protein Families:</b>	Druggable Genome
<b>MW:</b>	46.2 kDa
<b>Gene Summary:</b>	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]