

Product datasheet for **MR207856**

Fbxl7 (NM_176959) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Myc-DDK
Symbol:	Fbxl7
Synonyms:	AL023057; D230018M15Rik; Fbl6; FBL7
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



ORF Nucleotide Sequence: >MR207856 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTGCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGGGCGCGAACAATGGCAAACAGTACGGCAGTGAAGGCAAGGCAGCTCAAGCGTCTCATCCGACGTGA
 GTTCAAGCACAGATCATACCAACCAAGGCCAGAGGAATGTGGCCACCAGCGAAGATTCTGACTTGAG
 CATGCGCACACTGAGCACGCCAGCCAGCCCTTGATATGCCACCGACTTTGCCAGGATTTGAGAATGGA
 AGGGGTTTCGTCCACATCTTCCTCCATCACCGGGGAGACAGTGGCTATGGTTCACTCCCCGCCCGCA
 CCCGCCCTCACTACCCACTCATTGGCTCGCTCCAGACCCAGAAAGCAAGCCAGCATAGACAGGCT
 CCCGGACCACTCCATGGTGCAGATCTTCTCTTCTGCCCACCAACCAGCTATGTCGCTGTGCACGTGTG
 TGCCGCGCTGGTACAACCTGGCCTGGGACCCGCGCCTCTGGAGGACTATCCGTCTCACTGGAGAGACCA
 TCAATGTGGACCGTGCCTGAAAGTACTGACCCGAGGCTTTGCCAGGACACCCCAATGTGTCTCAT
 GCTGGAGACTGTATTGTAGTGGCTGCCGGCGCTCACAGACCGGGGCTTTATACATTGCACAGTGC
 TGTCCAGAAGTGAAGCGCTGGAAGTCTCAGGATGTTACAATATCTCGAACGAGGCTGTCTTTGATGTGG
 TGCTACTCTGTCCCAACCTGGAGCATCTGGATGTGTGACGGGTGCTCCAAGTGACCTGCATCAGCTTGAC
 CCGGGAGGCTCCATTAACTGTCCCTTACATGGCAAACAGATTTCCATCCGATACCTTGATATGACG
 GACTGCTTCGTGCTGGAGGACGAAGGCTTACACACCATCGCAGCTCACTGCACGAGCTCACTCACCTCT
 ATCTGCGCCGCTGCGTCCGCTCACAGATGAGGCTCTCGCTACCTGGTGATCTACTGCATTCATCAA
 GGAGCTGAGTGTACGCACTGCGCTTTGTGAGTACTTTGGCCTGCGGGAGATTGCTAACTGGAGTCC
 CGCTTGAGGTACCTCAGCATCGCCACTGCGGCCGATCACGGATGTGGGCATTCGTTATGTGGCTAAAT
 ACTGCAGCAAATTACGTACCTCAATGCGAGGGGCTGCGAGGGCATCACGGACCATGGTGTGGAGTACCT
 CGCCAAGAAGTGTACAAACTTAAGTCGCTGGACATTGGTAAATGTCCCTGGTCTCCGACACGGGCTG
 GAATCCCTGGCTTTGAAGTCTTCAATCTCAAGAGGCTAAGCTCAAGTCTGTGAGAGCATCACCGGCC
 AGGGCTGCGAGTCGTGGCTGCCAAGTCTTACGCTGAGATGTTAAATGTCCAGGACTGTGAAGTTTC
 CGTGAGGCGCTGCGGTTTGTGAAGCGCATTGCAAGCGCTGTGTCATTGAGCATACCAACCCGCTTTC
 TTC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

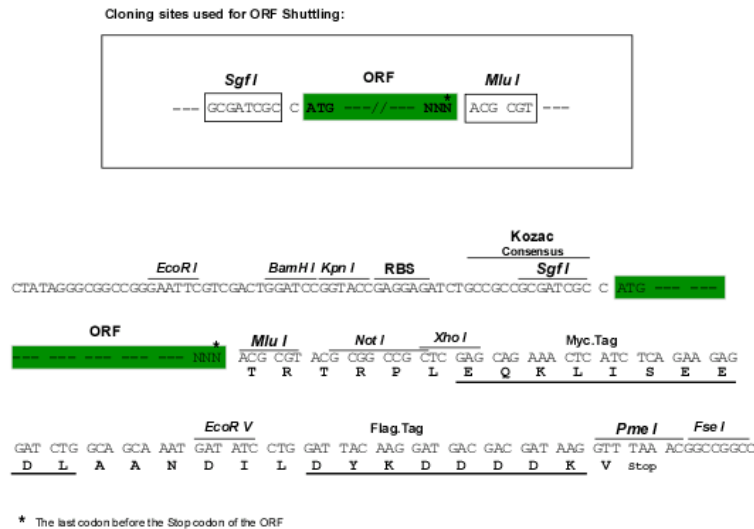
Protein Sequence: >MR207856 protein sequence
 Red=Cloning site Green=Tags(s)

MGANNKQYGSEGKSSSVSSDVSSSDHTPTKAQRNVATSESDLSMRTLSTPSPALICPPTLPGFQNG
 RGSSTSSSITGETVAMVHSPPTRLTHPLIRLASRPQKEQASIDRLPDHSMVQIFSLPTNQLCRCARV
 CRRWYNLAWDPRLWRTIRLTGETINVDRALKVLTRRLCQDTPNVCLMLETVIVSGCRRLTDRGLYTIAQC
 CPELRRLEVSGCYNISNEAVFDVVSCLPNLEHLDVSGSKVTCISLTREASIKLSPLHGKQISIRYLDMT
 DCFVLEDEGLHTIAAHTQLTHLYLRRCVRLTDEGLRYLVIYCTSIKELSVSDCRFVSDFGLREIAKLES
 RLRYLSIAHCGRITDVGIRYVAKYCSKLRYLNARGCEGITHGVEYLAKNCTKLKSLDIGKPLVSDTGL
 ESLALNCFNLKRLSLKSCESITGQGLQIVAANCFDLQMLNVQDCEVSVEALRFVKRHCKRCVIEHTNPAF
 F

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_176959

ORF Size: 1473 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.

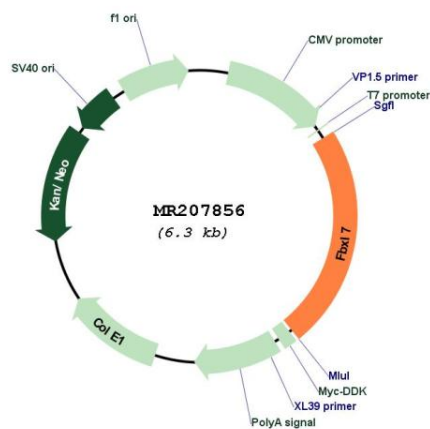
Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_176959.3](#), [NP_795933.2](#)

RefSeq Size: 4639 bp

RefSeq ORF:	1476 bp
Locus ID:	448987
UniProt ID:	<u>Q5BJ29</u>
Cytogenetics:	15 B1
MW:	54.6 kDa
Gene Summary:	Substrate recognition component of a SCF (SKP1-CUL1-F-box protein) E3 ubiquitin-protein ligase complex which mediates the ubiquitination and subsequent proteasomal degradation of AURKA during mitosis, causing mitotic arrest.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR207856