

Product datasheet for **MC202931**

Fbxo7 (NM_153195) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Fbxo7 (NM_153195) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Fbxo7
Synonyms:	2410015K21Rik; A230052G17Rik; AI117679; AW260462; C85118
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >BC032153 sequence for NM_153195
 CCACGCGTCCGCCACGCGTCCGTCCGACTCTCGCCATGAAGCTGCGCGTGCGGCTTCAGAAGCGGACCC
 AGCCGCTCGAGGTGCCGGAGTCGGAGCCAAACGCTCGGGCAGCTGCGCGCCACCTCAGCCAGGTCCTGCT
 GCCCACGTTGGGGTTCAGTTCTGATACCCGATTTGCAATTACATTGAACAACAAGGATGCCCTCACTGGA
 GATGAAGAGACCTTGGCTTCATATGGGATTGTTTCTGGGACTTGATATGTTTGGTTCCTGAAGATGACA
 TGCCGGCACCTAACTTACCTTCATCTACAGATACAGAGCATTCCCTCACTCCAGGATAATGACCAACCTTC
 TTTGGCTGCCACCCCAAGTCAGACTAACATCCCAGATGAACAAGGGACTGATTCATCCCAAGGACAGGCC
 ACCCCATTTGATGCCTGGACTGATGACAGTATGGAAGGGCCTAGTCAAAATGTTGAAGCTGAGCAATTC
 AGGATGCCATGAGTATGGAAGAGTTTTCTGGTTTTCCATCCATTGGAACCAATGCTCTGTAATGAAACAGA
 GGATGGGCAGGTACCACATTCTCTAGAGACCCTGTACCAGTCAGCTGGCTGCTCCAACATCAGTGATGCC
 TTGATAGTGCTGGTGCATCTCCTGATGCTCGAGTCAGGCTACATTCCTCAGGGAAGTAAACCAAAGCAG
 TGACAATGCCTGAGAATTGGAAGTCAAGTGGTGTATAAACTGCAGTACACACATCCTCTCTGCGAGGG
 CGGCTTTGCCGTGCTTACCTGTGTGCCCTTTGGGAACTTAATCATTATAAATGCTACAATAAAAGTCAAC
 GGTGGGATTAACAACTGAAGTCAAGTGCAGCTGCAGCCAGGATCCTACGTTGCTGCTGGAGTAGAACCCAG
 GGGAAAGCGCAGCCAAAGTGTACAAAGATCTTAAGAAGCTCTCTGCTCTTCAAAGACCAGCTGGTGTA
 CCCTCTTCTGGCTTTACACGCGCAAGTACTGAACCTTCCAGATGTGTTTGGGCTGGTTGCTTCCACTG
 GAGCTGAAACTACGCATCTTCCGACTTTTGGATGTTTCTGTCTGCTGGCCCTGTCTGCAGTCTGTCATG
 ACCTCCTCATTGCGTCAAATGACCCACTGCTGTGGAGGTGTTGTATCTGCGGGATTTTCGAGATGGCAC
 TGTGAGAGTCTGACACAGACTGGAAAGAATTGTATAGAAAGAAGCACATACAAAGAAAAGAGGCTCAG
 AGGATGCGGCATGCAATGTTTCTACCATCAGCCACCCTATCCCATTTTGTCCCATTCCCCTACCCCCA
 GGGCTACCTCCCACCTCGCTGCTTCCAGGAATCATTGGTGGTGAATATGATGAGAGGCCGATACT
 GCCTAGTGTTGGGACCCAGTCACTCACTTATCCCAAGGCCGGGAGCTTCTGGTCAAGTCCGTCCTCA
 CTCAGACCAGTTTTGACCTGTTGACCCACTTCCAGGACCTCACTCCCTTTGCCAGGAAGACTATCC
 CCAACAACAGATTTCCCTTCAGACCCGGCAGGGGTAGGTGAGTCACTGACAGCCGGCTGCCATTCTGTGACC
 AATTTGGAGACTTTATGGAAGTGGATGCTGTTTCTTGGATGCTGATCTCTGCTGTCGGTTTTCTGGTTC
 TGTGGGCACCAAGGACAAGTTGCTCAAAGAGGGGTGAGCTTGGGAATAGGTGACTGCTGGTCTCTCCCC
 TCTGGTTCACCTCTGGGATGGAGATTGGTATTGATAATGTTTTGTGTTATATTAGTAAAGTAAAAAT
 TGTATGGCAAAAAAAAAAAAAAAAAA

Restriction Sites: RsrII-NotI

ACCN: NM_153195

Insert Size: 1572 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

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: [BC032153](#), [AAH32153](#)

RefSeq Size: 1846 bp

RefSeq ORF: 1572 bp

Locus ID: 69754

UniProt ID: [Q3U7U3](#)

Cytogenetics: 10 C1

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 target proteins. Recognizes BIRC2 and DLGAP5. Plays a role downstream of PINK1 in the clearance of damaged mitochondria via selective autophagy (mitophagy) by targeting PRKN to dysfunctional depolarized mitochondria. Promotes MFN1 ubiquitination (By similarity).

[UniProtKB/Swiss-Prot Function]

Transcript Variant: This variant (1) encodes the longer isoform (1).