

Product datasheet for **RN211901**

Fbxo7 (NM_001012222) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Fbxo7 (NM_001012222) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Fbxo7
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN211901 representing NM_001012222
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAAGCTGCGCTGCGGCTTCAAAGCGGACCCAGCCGCTCGAGGTGCCGGAGTCGGAGCCGACGCTCG
 GGCAGCTGCGCGCACCTCATCCAGGACTGCTGCCACGTTGGGGTTCAGTTCCTGATACCCGATTTC
 AATTACATTGAACAACAAGGATGCCCTCACTGGAGATGAAGAGACCTTGGCTTCATATGGGATTGTTCT
 GGGGACTTGATATGTTTGGTTCTTGAAGATGAAATGCCGGCACCTAACTACCTTCATCTACAGATTCAG
 AGCATTCTCTCCAGAATAATGACCAACCTCCTTTGGCTGCCACCTCAAGCCAGGCTAACATCCAGA
 TGAACAAGGGAGTGATTCATCCACGGACAGGTACCCAAATATGATGCCTGGACCGATGACAGTATGGAA
 GGACCTAGTCACAGTGTGAAGCTGTGCAATTCAGGACGCCATGAGTGTGAAGAGGCTTCTGGTTCC
 ATCCACTGGAGCCAATGCTCTGCAGTGAACAGAGGACGGCAGGTGCCACATCCCTAGAGGCCCTGTA
 CCAGTCAGCCGGCTGCTCCACCGTCAGTGATGCCTTGATAGTGTGGTGCATCTCCTTATGCTTGAGTCG
 GGTACATACCTCAGGGGACTGAAGCCAAAGCAGCATCCATGCCTGAGAAATGGAAGTCAAGTGGCGTAT
 ACAAGCTCCAGTACACACATCCTCTCTGTGAGGGCGGCTCTGCCGTGCTTACCTGTGTACCTTTGGGAAA
 GCTCATCATGATAAACGCTACAATAAAAGTCAACGGTGGGATTAATAATGTGAAGTCAGTGCAGCTGAAG
 CCAGGAGCCTACGTTCCGAGAGCAGAACCAGGGGAAAGTGCAGCTAAAGTGTACAAAGATCTTAAGAAGC
 TCTCTCGTCTCTCAAAGACCAGCTGGTGTACCCTCTTCTGGCTTTCACACGACAAGTGTGAACCTCCC
 AGATGTGTTTGGGCTGGTGTCCCTTCCACTGGAGCTGAACTACGCATCTTCCGACTTCTGGATGTTTAT
 TCCGCTGGCTCTGTCTGCAGTCTGCCATGACCTCCTCATTGCATCAAATGACCCACTGCTGTGGAGGT
 GCTTGTATCTGCGGGATTTTCGAGACAGTACTATCAGAGGTCCTGACACAGATTGGAAGAATTGTACAG
 AAAGAAGCACATCCAAAGAAAAGAAGCCAGAGGATGCGGCATGTGATGTACCTACCGTCAGTCCACCCT
 ATCCCATCTGCCCATTCCTGCTACCCAGGCCCTACCTTCCACCACGCTGCTTCTCCAGGAATCA
 TTGGTGGTGAATATGATGAGAGGCCAATATTGCCTAGTGTGGGGACCCAGTCACCTCACTCATCCCAAG
 GCCTGGGAGCCTCCTAGCCAGTCCGTCAGTCAGACCAGTCTTTGATCCTGTTGGCCACTTCCAGGA
 TCTAACTCCCTTACCAGGAAGAGCTAGCCCCAACACAGATTTCCCTCAGACCCGGCAGGGTCCGT
 CAGCTGACAACCGCTACCATACCTG**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul

ACCN: NM_001012222

Insert Size: 1569 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: [NM_001012222.1](#), [NP_001012222.1](#)

RefSeq Size: 1819 bp

RefSeq ORF: 1569 bp

Locus ID: 366854

UniProt ID: [Q68FS3](#)

Cytogenetics: 7q13

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]