

Product datasheet for **RN209765**

Fbxo43 (NM_001012117) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Fbxo43 (NM_001012117) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Fbxo43
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN209765 representing NM_001012117
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCCCAAAGCACTCAGCCAGCCACAGAGCAGGAAGCAACATGGGGTCTCTGCTGTCCCGTCAGGT
 GTCCAGCTCCAGACTTCGGCCCCACATCCTCCTTTAAGCATAGGGGCCCTCAGGAGCTGTAGAGAC
 TTGCAGCTTTAGTAAGAAAGAAAAAGACCAATGCTAACCTGTGAACATCTGGAACTCCACGTCTAGGT
 TTCCCTAATCCTGCAGTATCTCCAGTCCAAGAAAGAAGTCTGTGTCCCTAAGGAAGGAAAAGGAGGAAA
 GCCCAGAACTTTGCGAGACTCCTAACTCAGAAGGAAAAAATGCACACTACGCAGGAGGCTAGACTTGAC
 TTTGACTCTTCTGAAGGGGATTCTGATTCACAAAGCAGTTCTCTGAAAAGTAATATAAGCCACAGTCTT
 AGCCTAGAAAAACGTTTTCGAGACAGCACTTCAGGTTTCCCAAAGGAAGACAACCTTAGCCATTGGTCA
 CCAGCACAGTAAAACCGAGGATGCGATTTCCAGCAGTCAGAACTCAAGGCTACATTTTTCTCAGCACAA
 GACTTCCACCATTGATGATTCCAAGACGACTGTGGCTTATTTGAAGTGAATGTCTGTCTCCAATAGAA
 GGCAATGATTTTAAAGATTCTGTACACACTTTAGTGACAGTGGTTAAGTGCTAGTGATGAGAATACAT
 GTCCTGAACCTTCTGGGCTCCTCTGGTAGTCAAACAACCTATGGCGCAGACGTGACCACATCTGCTACTCC
 GGTAAGTAGTCTCATAGCAAAAATCAAATTTTCATGGAAGCCAAACCTTGCTTCTCAGCAGAAGTGAGA
 GACAGTCTGTCAACACCTGAAGACAGTGGCTTCTGCTCACTTAGCTGGGACAAGTCCGAAGATTTCTCT
 CTGACCAAGAGGGCTCGTTCCAAGAACTCAAAAAATAGGGGGACCCCAAGTTGGGGACCTGGTAAG
 ACAACCAAGCATCCTGGGAGGTTGAGAAGGCTGCCACTCTCCAGGAGCAAGGCTCCAGTCAGAGACT
 GACGATGAAATGCAGGTGGCCATCCCAGCGCTGGAGTGAGAGTGGGCACTGCTTCGGGTGCTTGGAGA
 GTGACAGGGCTCTGAGGAGAAGAGTGGGGATTTGACTTTAAGCTTTAAGGACCTGTCAAATACTCCAGC
 CTGTCAGTTGGTGTGTGAGCTCTTATGAAAAGCAAGAGGAAGCGGTTTCGAGCAGGAGATGACCAGGAG
 TTCTCCGAGGAGAGGGAGGAGGGGAAAATCGCCAGGCTGCAGCACGTTCTCGCAGGACTGATTGGCAAGA
 AGATGGGCATAGAACGGCTGGACATCCTGACAGAATTACAGTATAGAACTTGAAGCATATCCTAGCTAT
 GGTTTTAGATTCTTGACTGCAGAGAGTTTATACAGTCTTGGAAATGTCAGCAGAACTGGCGTGGAAAT
 GTGGCTCAGGATAAAAGGGCAAACAGGAGGAGGAAGCTTTTCATCGCACAGCTGAAAGCCAAGGCTCAGG
 GGGCTGCTGTGTACGTGTCCAGGATGTGCCACTCGGCTCCGGCTTCTGAGTCGCTTGGCCTTAAGATC
 AGTGCAGGCCAGGCCAGCCACCAATGGTCAAGACAGCAGGACCAGCTCAGTCCCCTTGGGGGAA
 GTTCTGACACCGTAGCAAGCAGTTCCTCACCCACCTAAGAAGTAAACAGGAGCAGTATTTGAAGTTG
 CCAGGACTGTTTACTGACGAAGCCTTAAAGCGTGCCCGAGGTGCCAATCCCCTGCTAAGTATCAGCC
 GCATAAGAAAAGGGGGCTGTGCAGCCGCTGGCCTGTGGCTTTGACTTTTGTGTGTGTGTCTGTGTGT
 TATCATGGGTCTGAAGACTGTAGAAGAGGGTCAGCAAAGGGGAGAGGTAGCAGAGACGTTCTCCAGGGA
 GTGCACAAAGCAAGCGGAACCTAAAACGCCT**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_001012117
- Insert Size:** 1995 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_001012117.1](#), [NP_001012117.2](#)

RefSeq Size: 2551 bp

RefSeq ORF: 1995 bp

Locus ID: 315034

UniProt ID: [Q66H04](#)

Cytogenetics: 7q22

Gene Summary: Required to establish and maintain the arrest of oocytes at the second meiotic metaphase until fertilization. Probably acts by inhibiting the anaphase-promoting complex/cyclosome (APC/C) ubiquitin ligase. Probably recognizes and binds to some phosphorylated proteins and promotes their ubiquitination and degradation (By similarity).[UniProtKB/Swiss-Prot Function]