

Product datasheet for **RR209765**

Fbxo43 (NM_001012117) Rat Tagged ORF Clone

Product data:

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



[View online »](#)

ORF Nucleotide
Sequence:

>RR209765 representing NM_001012117
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGCCCAAAGCACTCAGCCAGCCACAGAGCAGGAAGCAACATGGGGTCTCTGCTGTCCCGTCAAGT
GTCCAGCCTCCAGACTTCGGCCACATCCTCCTTTAAGCATAGGGGCCCTCAGGAGCTGTAGAGAC
TTGCAGCTTTAGTAAGAAAGAAAAGACCAATGCTAACCTGTGAACATCTGAAACTCCACGTCTAGGT
TTCCCTAATCCTGCAGTATCTCCAGTCCAAGAAAGAAAGTCTGTGTCCCTAAGGAAGGAAAAGGAGGAAA
GCCCAGAACTTTGCGAGACTCCTAACTCAGAAGGAAAAAATGCACACTACGCAGGAGGCTAGACTTGAC
TTTGACTCTTCTGAAGGGGATTCTGATTCACAAAGCAGTTCTCTGAAAGTAATATAAGCCACAGTCTT
AGCCTAGAAAAACGTTTTCGAGACAGCACTTCAGGTTTCCCAAAGGAAGACAACCTTAGCCATTGGTCA
CCAGCACAGTAAAACCGAGGATGCGATTTCCAGCAGTCAGAACTCAAGGCTACATTTTTCTCAGCACAA
GACTTCCACCATTGATGATTCCAAGACGACTGTGGCTTATTTGAAGTGAATGTCTGTCTCCAATAGAA
GGCAATGATTTTAAAGATTCTGTACACACTTTAGTGACAGTGGTTAAGTGCTAGTGATGAGAATACAT
GTCCTGAACCTTCTGGGCTCCTCTGGTAGTCAAACAACCTATGGCGCAGACGTGACCACATCTGCTACTCC
GGTAAGTAGTCTCATAGCAAAAATCAAATTTTCATGGAAGCCAAACCTTGCTTCTCAGCAGAAGTGAGA
GACAGTCTGTCAACACCTGAAGACAGTGGCTTCTGCTCACTTAGCTGGGACAAGTCCGAAGATTTCTCT
CTGACCAAGAGGGCTCGTTCCAAGAACTCAAAAAATAGGGGGACCCCAAGTGGGGACCTGGTAAAG
ACAACCAAGCATCCTGGGAGGTTGAGAAGGCTGCCCCTCTCCAGGAGCAAGGCTCCAGTCAGAGACT
GACGATGAAATGCAGGTGGCCATCCCAGCGCTGGAGTGAGAGTGGGCACTGCTTCGGGTGTCTTGAGAG
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GGGCTGCTGTGTACGTGTCCAGGATGCTGCCACTCGGCTCCGGCTTCTGAGTCGCTTGGCCTTAAGATC
AGTGCAGGCCAGGCCAGCCACCAATGGTCAAGACGAGCAGGACCAGCTCAGTCCCCTTGGGGGAA
GTTCTGACACCGGTAGCAAGCAGTTCCTCACCCACCTAAGAAGTAAACAGGAGCAGTATTTGAAGTTG
CCAGGACACTGTTTACTGACGAAGCCTTAAAGCCGTGCCGAGGTGCCAATCCCCTGCTAAGTATCAGCC
GCATAAGAAAAGGGGCTGTGCAGCCGCTGGCCTGTGGCTTTGACTTTTGTGTGTGTGTCTGTGTGCT
TATCATGGGTCTGAAGACTGTAGAAGAGGGTCAAGAAAGGGGAGAGGTAGCAGAGACGTTCTCCAGGGA
GTGCACAAAGCAAGCGGAACTTAAAACGCCTC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR209765 representing NM_001012117
 Red=Cloning site Green=Tags(s)

MPQKHSASHRAGSNMGSSAVTVRCPSPDFGPTSSFKHRGPHELSETCSFSKKEKDPMLTCEHLETPRLG
 FPNPAVSPSPRKKSVSLRKEKEESPELCETPKLRRKCTLRRRLDLTLTLKGDSDSQSSLESNISHSL
 SLEKRLRDSTSGFPKEDNFSPLVTSTVKTEDAISSSQNSRLHFSQHKTSTIDDSKDDCGLFEVECLSPIE
 GNDFKDSVTHFSDSGLSASDENTCPELLGSSGSQTTYGADVTTSVTPVSSLIKIKFHGSQTLASSAEVR
 DSLSTPEDSGFCSLSWDKSEDFLSDQEGSFQELQKHRGTPTVGDLVRQPKHPGRLRRLPTLQEQQSQSET
 DDEMVAHPSAGVRVGTASGVLESQQGSEKSGDLTSLFKDLSTNPALQLVCELFMKSKRKRFEQADDQE
 FSEEREEGKIARLQHVLAGLIGKKMGIERLDILTELQYRNLKHILAMVLDLSTAESLYSAWNVSRNWRGI
 VAQDKRANRRRKLFAQLKAKAQGAALRVQDAATRLRLSRLALRSVQAQAQAPNGQNEQAPAQSPWGE
 VLTVPVASSLTHLRKQEQYLKVARTLFTDEALKPCPRCQSPAKYQPHKKRGLCSRLACGFDFCVLCLCA
 YHGSEDCRRGSAKGRGSRDVLPGSAQSKRNLKRL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

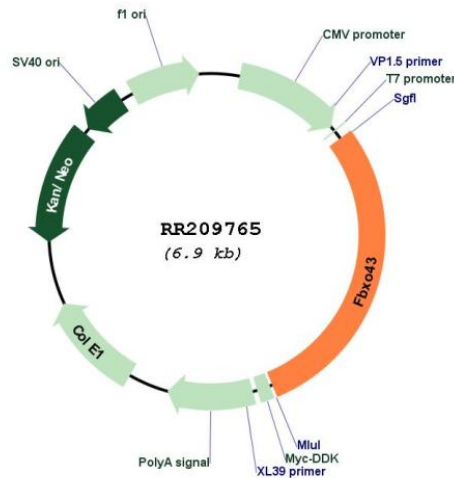
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001012117

ORF Size: 1992 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.

RefSeq:	<u>NM_001012117.1, NP_001012117.2</u>
RefSeq Size:	2551 bp
RefSeq ORF:	1995 bp
Locus ID:	315034
UniProt ID:	<u>Q66H04</u>
Cytogenetics:	7q22
MW:	73.2 kDa
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]