

Product datasheet for **MR209329**

Fbxo46 (NM_175530) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Fbxo46 (NM_175530) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Fbxo46
Synonyms:	20D7-FC4; 4932704E22Rik; Fbxo34l
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR209329 representing NM_175530
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGCATCGCC

ATGGACAGGGGCAGCCTCCTGCCCTTCCAACCTCTGGTGCCCCCGCCCTTCAGCAAGTATCCCAAGAAC
 AGCCGCGCCACCTTCCACAGCCCTCAAGCCGCCAGTCTGTCTGACACAAGCAGCGGGACTGAGCCCGA
 CCACAGGCCTGCGCACTTGGAGAGCACACCACCTGCCGTGGCTGCAGAAGCCCCACCTCCAGCCTGCT
 CCACTCCTCTCTACAGCAGTTCGCGTGAAGGTGCGGTCTGCTGGACACGTGGTATGTTATCAAGC
 CTGGAAATACAAAGGAGAAGGTGGCCTTTTGTGGCCACCAGTGTGGTGAAGTAGCCGGGCCAGCTC
 TATGAAGTCAAAGGGCACTGGGGCAGTACAGCTCCAAAGCTAAGAGGAGGAGGCGCTGCCTTGAGCCC
 ACCAAGGCTCCTCCAGCAAGGGGGCCGAGAAGGAACCCCTGCCACTGAGGTGACCCCCACATCATCTG
 GGGATGATGTAGACCTGGTCTCTGTAGCAGAAATGGTGGCCCTGGTTGAACAGAGAGCTGCCTGGCCCT
 GCAGAGTTATCCGCGCCCACTACCCAGCTCCCGTGGTCTTTGTGTGAGTGTGAGGGGGACCAGCC
 AAGGGGCTAGGGTCGAAAGGGCGTCTGGTGGTGGTACTGCAGCCGAGTTGCTGAGGCAGTGGCCCACT
 TTGAGGCCACGGGGACAGCCCTCTACCAAGGGTCTCCGAAGGAGGAACGGCCAGGCCCTGGGCCCGG
 CGAGGTGCGTATAGCTTCCGAATCTCCAATGTCCGAGAGCCCCATTACCAGATGGCAACTTACCAAT
 GGGGGTGGAGGCCGGCTGGTTGTGCCTACCCTGGTAGTCTGGACTGGGACTCGAGCCAAAGACAAAA
 TCACCTGCGACTTGTACCAGCTTATCAGCCCTCCAGGGATGCCCTTCCAGCAATGTGGAGTTCCTATT
 GGCCAGGGCTGATGAAGCCAGTGAAGGTGAGACACCAGCCCCACCAGGCTGAGGACTCCACCAGCA
 CCGCCTCCACCCCTGCCCGGACTGTGGTGCATCAGGATCCATGTAGATGTGGTGAACAGGTGTAG
 TGGATCGTGCATCTTTTGGCAAAGATGGCACCAAGAACGTGAAGGAAGAGACTGTGTGCCTGACAGT
 GAGCCCTGAGGAGCCACCCACCTGGCCAGCTCTTCTTCTTGCAGTCCGTTGGTCCAGAAGGGCCCTCT
 GAGCCACCCCACTGATATACCAAGCACAGTGCAGGCCCGGATGATTCTGAGGGCACAACGGACACCT
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 GGAGCCACGGCAGTACATGCTGCTGCTGCCTGAGCAGTGTCTCGTCAAGATATTCAGCTTCTGCCACG
 CGGGCCTTGGCAGCCCTCAAGTGCACCTGCCACCCTTCAAGGGGATCATCGAGGCTTTCGGTGTGCGTG
 CCACGGACTCTCGCTGGAGCCGGGACCCGCTCTACCGAGACGACCCTTGAAGCAGTGCAGCAAGAGATA
 CGAGAAGGGTGTGTGCTACTCTGCCGCTGGCACCCAAACCCTACCACCATGACCTGCCTACGGACGT
 TCCTACTGGATGTGCTGCCGAGAGCCGATCGTGAGACACCAGGCTGTGCGCTGGGCTTGCATGACAACA
 ACTGGGTACTGCCGTGCAATGGAGTGGGTGGAGGCCGTGCTGGCCGGGAAGAGGGGAGG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR209329 representing NM_175530
 Red=Cloning site Green=Tags(s)

MDRGSLLPFQLWCPRPFSKYSQNQPRPPSTALKPPVCPDTSSTGTEPDHRPAHLESTPPAVAAEAPTSQPA
 PLLSTAASGDEGRVLLDTWYVIKPGNTKEKVAFFVAHQCGSSRASSMKVKGHWGSDDSSKAKRRRRCLEP
 TKAPPDQGGREGTPATEVTPTSSGDDVLDLSVAEMVALVEQRAALALQSYPRPSTPAPVVFVSADQGGPA
 KGLGSERRSGGDCSRVAEAVAHFQAQRDSPPTKGLRKEERPGPGEVRIAFRISNVREPHSPDGNLNP
 GGGRRPGCAYPGSPGTRAKDKITCDLYQLISPSRDALPSNVEFLLARADEASEGETPAPTRPEDTPPA
 PPPPPARDCGASGFHVDVVVTGVVDACIFFGKDGTKNVKEETVCLTVSPEPPPPGQLFQLQSRGPEGPP
 EPPPADIPSTVPGPDDSEGTDTSLCRLYRHVSHDFLEIRFKIQRLLLEPRQYMLLLPEHVLVKIFSFLLPT
 RALAALKCTCHHFKGIIEAFGVRATDSRWSRDPLYRDDPKQCRKRYEKGDVSLCRWHPKPYHHDLPYGR
 SYWMCCRADRETPGCRLGLHDNNWVLPNGVGGGRAGREEGR

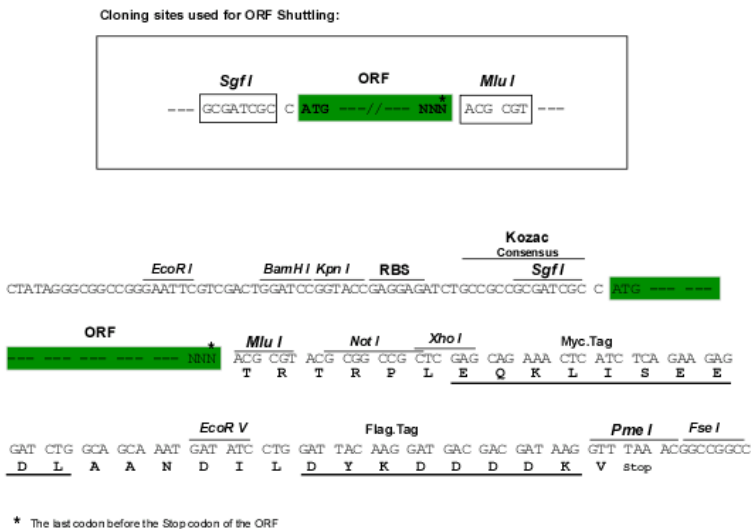
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mm9036_c04.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_175530

ORF Size: 1809 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.

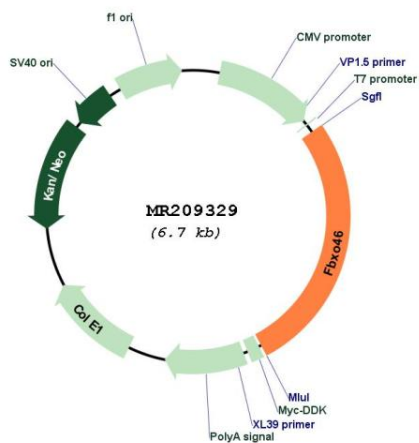
RefSeq: [NM_175530.3](#), [NP_780739.1](#)

RefSeq Size: 2962 bp

RefSeq ORF: 1812 bp

Locus ID: 243867

UniProt ID: Q8BG80
Cytogenetics: 7 A3
MW: 65.7 kDa
Gene Summary: Substrate-recognition component of the SCF (SKP1-CUL1-F-box protein)-type E3 ubiquitin ligase complex.[UniProtKB/Swiss-Prot Function]

Product images:


Circular map for MR209329