

Product datasheet for **MR213784**

Fbxo24 (NM_027708) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Fbxo24 (NM_027708) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Fbxo24
Synonyms:	4933422D21Rik; Fbx24
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR213784 representing NM_027708
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGTGAAGCGCAGCTGCCCTTCTGTGGCCTGGAGGCTGGGAGTGAAAAGAAGGAAAGAGGGAACCTA
 TTTCTGTTTCAGTTGTTCCCCAGAGCTGGTGGAAACACATTGTCTCCTTCTCCAGTCAAAGACTTGGT
 CGCCCTAGGCCAGACCTGCCACTACTTCCATGAAGTGTGTGATGCTGAGGGCGTGTGGAGGCGCATCTGT
 CGAAGGCTCAGCCCTCGAATCCGTGACCAGAGTCTGGTGCCCGCCCTGGAAGAGAGCTGCCATTCTTA
 ACTATACAAAGGGCTGTATTTCCAGGCATTCCGAGGACGCCCGCATGTCTCAGCAAGAGTGTGGCCCC
 CATGCTAGCCCATGGCTACCGCCGCTTCTTACCCACAAAGGACCACGTGTTCACTTCTGACTACGTGGGG
 ACCCTCTTCTTCAAATGCTCTGGTCTCCTCCACCCTCGGCCAGATCCAGTGAAGCGGGCCTGCC
 GCTACGTGGTGTGTGTCGAGGCGCAAGGATTTGCGTCCGACCAAGATGTGACACGGTTTACCGGAA
 GTACCTCTATGTTTTGGCTACTCGGGAACAGCCGGCAGTGGTGGGCACCACCGGTAGCCGCGCTGTGAC
 TGTGTGGAGGTCTATCTGCACTCAGTGGGCAGCGGGTCTCAAGATGACATTCCACCCTCCATGAGCT
 TCAAGCAGATCGTGTGGTGGCCAGGAGACCCAGCGGGCCCTACTGCTCCTCACAGAGGAAGGAAAGAT
 CTACTCCTTGGTTGTGAATGAGACCCAGCTGGACCAGCCACGCTCCTATACAGTGCAGTTAGCCCTCAGG
 AAGGTGTCTCGATGCCTGCCTCACCTGCGTGTGACCTGCATGGCTTCAAACCAGAGCAGTACCCTCTATA
 TCACGGGTGGGACTTTAATCCCTAGGAAACAGGTGCCTAAAGTCCGAGCTGAGGGCTCCTGACCCCC
 AGACCAGGGGGAGTGTATTTGAGGTGCATACCCCGGGGTGTATCGTGATCTCTTTGGGACCCCTCAA
 GCCTTTGACCCCTGGACCACAGATGCCACTGGCTCTCTCCTTGCCTGCCAAGGTCTCTTCTGTGCTC
 TTGGCTATAATCATCTTGGCCTGGTAGATGAATTTGGCCGGATCTTTATGCAGGGAATAACAGATAACGG
 GCAGCTGGGAACGGAGACAAAATGGACCAGGGGAGCCACACAGGTTCACTATCTGCAACGCCCATC
 GCCTGTGGTGTGGCCTCAACCATTCTTGGTGTGAGTACAGACCTCGGATTTTCAGCAAGGAGCTGCTGG
 GGTGCGGCTGTGGGGCCGAGGCGCTTCTGCTGGCCCAAGGGGAGCGCCTCCTTCTCAAGCTGCA
 CATCAAGTCCCTTTGTGTGCTGCTCCCTGCTCCACCAGAGAGTGTCTCTATATGCTGTCCAGCCAC
 GACATCGAACAGTGCCCTGTCTATCGAGACCTGCCAGCCAGCGGTGGGGGGAGCCCTGAACCTAGCC
 AGGGGGCTGGAGCCCCCAAGACCCTGGGGAACAGCCAGCCAGCCGTGAGGAGTACCTCAGCCAGATCCA
 CAGTTGCCCCACGTTGCAGGACCGAATGGAGAAGATGAAGGAGATTGTGGGCTGGATGCCCTTGTGGCT
 GCCCAGAAAGATTTCTTCTGGGAGGCACGTGACATGTTGCAGAGGGCTGTGGAGGGCTGGCCAGACA
 CCTCGACTCCCGAGAGC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR213784 representing NM_027708
 Red=Cloning site Green=Tags(s)

MVWRSPSCGLEAGSEKKERGNPISVQLFPPELVEHIVSFLPVKDLVALGQTCHYFHEVCD AEGVWRRIC
 RRLSPRIRDQSSGARPWKRAAILNYTKGLYFQAFGGRRRCLSKSVAPMLAHGYRRFLPTKDHVFI LDYVG
 TLFFLNALVSSLTGQIQWRACRYVVL CRGAKDFASDPRCDTVYRKYL YVLATREQPAVVGTTGSRACD
 CVEVYLQSSGQRFVKMTFHHSMSFKQIVLVGQETQRALLL TEEGKIYSLV VNETQLDQPRSYTVQLALR
 KVSRLPHLRVTCMASNQSSLYITGGTIPRKQVPKAAELRAPDPPDQGGVYFVHTPGVYRDLFGTLQ
 AFDPLDHQMLALSLPAKVLFCALGYNHLGLVDEFGRIFMQGNNRYQLGTGDKMDRGEPTQVHYLQRPI
 ALWGLNHSLVLSQTSDFSKELLGCGCAGGRLPGWPKGSASFVKLHIK VPLCACSLCSTRECLYMLSSH
 DIEQCPVYRDLPASRVGGSPESQAGAPQDPGGTAQACEEYLSQIHSCTPLQDRMEKMKIEIVGWMLMA
 AQKDFFWALDMLQRAAGGAGPDTSTPES

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mm9045_a08.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_027708

ORF Size: 1767 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in *E. coli* are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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_027708.1](#), [NP_081984.1](#)

RefSeq Size: 2159 bp

RefSeq ORF: 1770 bp

Locus ID: 71176

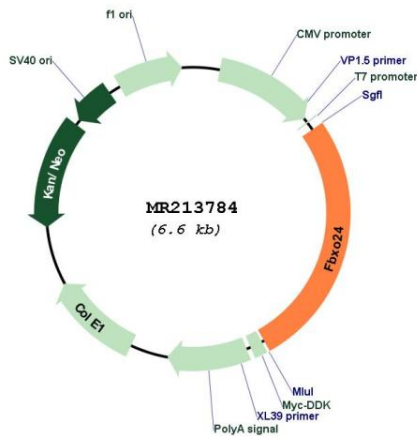
UniProt ID: [Q9D417](#)

Cytogenetics: 5 G2

MW: 65.9 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 MR213784