

Product datasheet for **MR209562**

Fbxo21 (NM_145564) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Fbxo21 (NM_145564) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Fbxo21
Synonyms:	2810425J22Rik; AU016673
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR209562 representing NM_145564
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGCGTCGGTAGCGGGGACAGCGCTATGGAGTGGTCCGGCGCTGGCCGAGGAGCCGCGCTGAGG
 CGACGGGCCCCAGCTGCCTGGTGCAGCTGCCGGCGAGGTGCTGGAGTACATCCTGTGCAGCGGCTCGCT
 CACGGCGCTGGACATCGGCCCGTGTCCAGCACCTGCCGCCCTGCGCGAGGTGTCCAGAGCAGCGGG
 CAGGTGTGAAGGAGCAGTTCGGGTGAGGTGGCCCTCCCTGATGAAGCACTACAGCCCCACCGACTACG
 TCAATTGGTTAGAGGAATAAAAGTTCGGCAGAAAGCTGGGTTAGAAGCCCGAAGATTGTAGTTCCTT
 CTCCAAGCGTCTTTTCAGAGCACGTCCCCTGTAATGGCTTCAGTGACATTGAAAACCTTGAGGGCCCA
 GAGATCTTTTTGAGGATGAGCTGGTGTGTATCCTAACATGGAAGGAAGAAAGCTTTGACCTGGAAAT
 ACTACGCAAAGAAAATTCTACTACCTGCGGCAGCAGAAAATCCTCAATAACCTCAAGGCGTTCCTGCA
 GCAGCCGACGATTACGAGTCTATCTCGAAGGTGCCGTTTACATCGACCAGTACTGCAACCCACTCTCC
 GACATCAGCTTCAGAGACATCCAGGCCAGATCCACAGCATTGTGGAGCTTGTGTGCAAAAACCTCCGTG
 GCATCAACAGCCGCCACCCAGCCTGACCTTCAGGGCAGGTGAGTCTCTATGATAATGGAGATAGAAT
 TCAGAGCCAAGTCTGGACGCTATCAACTATGTCTGTATGACCAGTGAAGTCAAAGGGAACCGCATG
 GACTACTATAATGCCTTGAACCTCTACATGCACCAGGTGTTGACCCGAGAACAGGAATCCCCATCAGCA
 TGTCTCTGCTCTACCTGACCGTCCGCCGACGTGGGGTTCCTTGGAGCCTGTCAACTCCCAAGCCA
 CTTCTGCTGCGGTGGTCCAAGGTGCAGAAGGGGCAACCCTGGACATCTTTGACTACATCTACATAGAT
 GCTTTTGGGAAGGCAAGCAGCTGACAGTGAAGAGTGTGAGTACCTGATTGGCCAGCACGTGACGGCAG
 CACTCTACGGCGTGGTGAATGTGAAGAAGGTGCTACAGCGGATGGTGGCAACTTGCTGAGCCTGGGCAA
 GAGGGAAGGCATTGACCACTCTACAGCTCCTCAGAGACTCCTTGGACCTGTACCTGGCGATGTACCCG
 GACCAGGTGCAGCTCCTGCTCCTCAAGCCAGACTCTACTTCCACCTGGGCATCTGGCCAGAGAAGTCTT
 TCTGTCTGTCTTGAAGGTGCTTACATCCTCCAGCACATCCAGACCCTGGACCCCGGCAGCACGGGGC
 GGTGGGCTATCTCGTGCAGCATACTTAGAGCACATTGAGCGTAAGAAGGAGGAGGTGGGCGTGGAGGTG
 AAGCTGCGCTCCGAGGAGAAGCACAGGGATGTCTGCTACTCCATCGGCTTGTGATGAAGCATAAGAGGT
 ACGGCTACAACCTGTGTATCTACGGCTGGGACCCTACGTGCATGATGGGCGATGAGTGGATCCGAAACAT
 GAATGTGCACAGCCTGCCTCATGGCCACCATCAGCCCTTCTACAACGCTCCTGGTGGAGGATGGCTCTGC
 AGATATGCAGCCAAGAAAACCTGGAATACAACGTGGAGCCTCAGGAAATCTCGACCCAGATGTGGGGC
 GCTACTTCTCGGAGTTCACAGGCACACACTACATCCCAAATGCAGAGCTGGAGATCCGGTACCCCGAGGA
 CCTGGAGTTTGTGTACGAGACAGTGCAGAATATTTACAGTCAAAGGAGGACACAGCCGAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR209562 representing NM_145564
 Red=Cloning site Green=Tags(s)

MASVAGDSAMEVVPALAEAAAATGSPCLVQLPGEVLEYILCSGSLTALDIGRVSSTCRRLREVCQSSG
 QVWKEQFRVRWPSLMKHYSPTDYVNWLEEKVRQKAGLEARKIVASFSCRFFSEHVPCNGFSDIENLEGP
 EIFFEDELVCILNMEGRKALTWKYAKKILYYLRQKILNLLKAFLLQPPDDYESYLEGAVYIDQYCNPLS
 DISFRDIQAQIHSIVELVCKTLRGINSRHPSTFRAGESSMIMEIELQSQVLDAINYVLVDQLKFKGNRM
 DYYNALNLYMHQVLRTRTGIPISMSLLYLTVARQLGVPLEPVNFP SHFLLRWCQGAEGATLDFDYIYID
 AFGKQKQLTVKECEYLIGQHVTAALYGVVNVKVLQRMVGNLLSLGKREGIDQSYQLLRDSDLDYLAMYP
 DQVQLLLLQARLYFHLGIWPEKSFCLVLKVL DILQHIQTLDPGQHGVAVYLVQHTLEHIERKKEEVGVEV
 KLRSEEKHRDVCYSIGLVMKHKRYGNCVYIGWDPCTMMGHEWIRNMNVHSLPHGHHQPFYNVLEDGSC
 RYAAQENLEYNVEPQEISHPDVGRYFSEFTGTHYIPNAELEIRYPEDLEFVYETVQNIYSAKEDTAE

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9036_c09.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_145564

ORF Size: 1881 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:

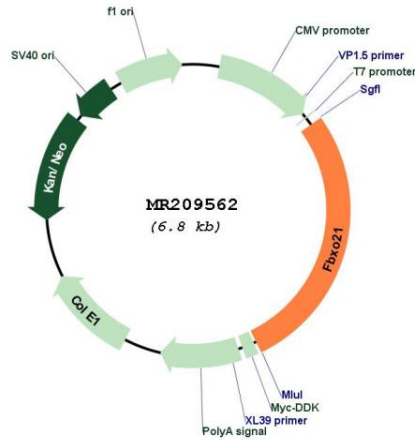
1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store 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_145564.4](#)

RefSeq Size: 3909 bp

RefSeq ORF: 1884 bp

Locus ID: 231670
UniProt ID: [Q8VDH1](#)
Cytogenetics: 5 F
MW: 72.6 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 MR209562