

Product datasheet for **MG209562**

Fbxo21 (NM_145564) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Fbxo21 (NM_145564) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Fbxo21
Synonyms:	2810425J22Rik; AU016673
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG209562 representing NM_145564
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGCGTCGGTAGCGGGGACAGCGCTATGGAGGTGGTCCGGCGCTGGCCGAGGAGCCGCGGCTGAGG
 CGACGGGCCCCAGCTGCCTGGTGCAGCTGCCGGGCGAGGTGCTGGAGTACATCCTGTGCAGCGGCTCGCT
 CACGGCGCTGGACATCGGCCCGGTGCCAGCACCTGCCGCCGCCTGCGCGAGGTGTGCCAGAGCAGCGGG
 CAGGTGTGAAGGAGCAGTTCGGGTGAGGTGGCCCTCCCTGATGAAGCACTACAGCCCCACCGACTACG
 TCAATTGGTTAGAGGAATATAAAGTTCGGCAGAAAGCTGGGTTAGAAGCCCGGAAGATTGTAGTTCCTT
 CTCCAAGCGTCTTTTCAGAGCACGTCCCCTGTAATGGCTTCAGTGACATTGAAAACCTTGAGGGCCCA
 GAGATCTTTTTGAGGATGAGCTGGTGTGTATCCTAACATGGAAGGAAGAAAGCTTTGACCTGGAAAT
 ACTACGCAAAGAAAATTCTACTACCTGCGGCAGCAGAAAATCCTCAATAACCTCAAGGCGTTCCTGCA
 GCAGCCGACGATTACGAGTCTATCTCGAAGGTGCCGTTTACATCGACCAGTACTGCAACCCACTCTCC
 GACATCAGCTTCAGAGACATCCAGGCCAGATCCACAGCATTGTGGAGCTTGTGTGCAAAAACCTCCGTG
 GCATCAACAGCCGCCACCCAGCCTGACCTTCAGGGCAGGTGAGTCTCTATGATAATGGAGATAGAAT
 TCAGAGCCAAGTCTGGACGCTATCAACTATGTCTGTATGACCAGTGAAGTTCAAAGGGAACCGCATG
 GACTACTATAATGCCTTGAACCTCTACATGCACCAGGTGTTGACCCGAGAACAGGAATCCCCATCAGCA
 TGTCTCTGCTCTACCTGACCGTCCGCCGCGAGCTGGGGGTTCCCTGGAGCCTGTCAACTCCCAAGCCA
 CTTCTGCTGCGGTGGTCCAAGGTGCAGAAGGGGCAACCCTGGACATCTTTGACTACATCTACATAGAT
 GCTTTTGGGAAGGCAAGCAGCTGACAGTGAAGAGTGTGAGTACCTGATTGGCCAGCAGTGCAGGCAG
 CACTCTACGGCGTGGTGAATGTGAAGAAGGTGCTACAGCGGATGGTGGCAACTTGCTGAGCCTGGCA
 GAGGGAAGGCATTGACCAGTCTACCAGCTCCTCAGAGACTCCTTGGACCTGTACCTGGCGATGTACCCG
 GACCAGGTGCAGCTCCTGCTCCTCAAGCCAGACTCTACTTCCACCTGGGCATCTGGCCAGAGAAGTCTT
 TCTGTCTGTCTTGAAGGTGCTTACATCCTCCAGCACATCCAGACCCTGGACCCCGGCAGCACGGGGC
 GGTGGGCTATCTCGTGCAGCATACTTAGAGCACATTGAGCGTAAGAAGGAGGAGGTGGGCGTGGAGGTG
 AAGCTGCGCTCCGAGGAGAAGCACAGGGATGTCTGCTACTCCATCGGGCTTGTATGAAGCATAAGAGGT
 ACGGCTACAACCTGTGTATCTACGGCTGGGACCCTACGTGCATGATGGGCATGAGTGGATCCGAAACAT
 GAATGTGCACAGCCTGCCTCATGGCCACCATCAGCCCTTCTACAACGCTCCTGGTGGAGGATGGCTCTGC
 AGATATGCAGCCAAGAAAACCTGGAATACAACGTGGAGCCTCAGGAAATCTCGACCCAGATGTGGGGC
 GCTACTTCTCGGAGTTCACAGGCACACACTACATCCCAAATGCAGAGCTGGAGATCCGGTACCCCGAGGA
 CCTGGAGTTTGTGTACGAGACAGTGCAGAATATTTACAGTGCAAAGGAGGACACAGCCGAG

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>MG209562 representing NM_145564
 Red=Cloning site Green=Tags(s)

MASVAGDSAMEVVPALAEAAAAEATGPSCLVQLPGEVLEYILCSGSLTALDIGRVSSTCRRLREVCQSSG
 QVWKEQFRVRWPSLMKHYSPTDYVNWLEEKVVRQKAGLEARKIVASFSCRFFSEHVPCNGFSDIENLEGP
 EIFFEDELVCILNMEGRKALTWKYAKKILYYLRQKILNKLKAFLLQPPDDYESYLEGAVYIDQYCNPLS
 DISFRDIQAQIHSIVELVCKTLRGINSRHPSTFRAGESSMIMEIELQSQVLDAINYVLYDQLKFKGNRM
 DYYNALNLYMHQVLRRTGIPISMLLYLTVARQLGVPLEPVNFP SHFLLRWCQGAEGATLDFDYIYID
 AFGKQKQLTVKECEYLIGQHVTAAALYGVVNVKVLQRMVGNLLSLGKREGIDQSYQLLRDSDLYLAMY
 DQVQLLLQARLYFHLGIWPEKSFCLVVKVLDILQHIQTLDPGQHGAVGYLVQHTLEHIERKKEEVGVEV
 KLRSEEKHRDVCYSIGLVMKHKRYGYNCAIYGVWDPCTMMGHEWIRNMNVHSLPHGHHQPFYNVLEVDGSC
 RYAAQENLEYNVEPQEI SHPDVGRYFSEFTGTHYIPNAELEIRYPEDLEFVYETVQNIYSAKEDTAE

TRTRPLE – GFP Tag – V

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

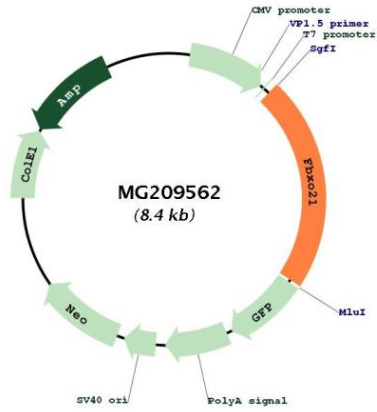
Locus ID: 231670

UniProt ID: [Q8VDH1](#)

Cytogenetics: 5 F

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 MG209562