

Product datasheet for **MG210094**

Fbxo34 (BC048149) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Fbxo34 (BC048149) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Fbxo34
Synonyms:	2900057B08Rik; 5830426G16Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG210094 representing BC048149
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCACCTTAAGCTGTACTGAAACTCCAGAAGAAAGAGCGCCCTTTGAGGTGAGCAGGGACACCCTGA
 GAACGCCTATGAGCCACGAAAGGCCAACGGTGTGTGAAGGCCAGAGCCAGCTACATGAAACCCACCGT
 CCTTCCTTCAGCCTCCCTTGTCAAAGCATCGTCTAGAAAACCTTTTGGGATCCTTTCTCCAAATGTTCTG
 TGCAGTATGAGTGGGAAGAGCCCTGTGGAGAACAGCTTGAATGTTAAAGCCAAAAAGAACGTGCTGTCTG
 CAGCCGTGCACCAGAGTGAGGAGGGGCTGCCTGGGACCTGGGCTATTGTCAAACCTGGGAACACGAAGGA
 GAAAATTGCATTCTTTCAGCCACCAGTATAGCAATAGGATAGGCTCTATGAAAATTAAGGTTCTCTGG
 GATATCGATGGGAGGCCACTAAAAGAAGGAAAAAATCAGGAGATCTTAAGAAAGCCAAGTTACAGCTAG
 AAATCATGAGAGAGATCAACAGCCAGTGTACCAGTCTGAGCCGTTTGTGTGGCGTGGAGCACTGTTT
 TGTGCACTACATGAGTGACAGCGGGGACGGTGTCTGTGCTGCGAGGCCTCTGTGCGTGTACAGATGGTT
 GCCTTCCTTGAGCAGAAGGCCACTGCTCTGCTAGCTAGCTGCACAAAAAACTGCACAAAATTCGCCTGCCA
 TTGTGAAGATTTCTGGCCAGTCCCGAGGTATACCGCTGCACCTGAGCCCTTCTGTCTCCGGAAACTTG
 TGAAGAACCACGAAGAACAGAAAATCCCAGACTGGCAGATCCCAGGGTGGAGCCAGTCCGTGTCTTGCAC
 ATGGTAGCCAGTTGGAGTCTGAGTGCCTGAAGCACCAGGGCCAGCGGGAACCCGGGAGCTTGTACACGCA
 ATAACAGTTTCCGTGAAATGTAGGCAGGGTGTGCTCACTAATGGTTCTCAGGCCAGCGACAAAAGTGA
 AGAGGGCTCTGCAGACACAGCCGACCCTCAGGAGAATCCCTTGCAGCCGGTATCTGTGGGTGAAGAACCC
 TCCGTAAGTGAAGCATCATTCTGTAGGGGAGCAGGCCTGGGATGGCACTTCTCAAAGCTGTCCCTCATTGC
 CAGCCACTGTGAGCTTCCACATGGACAGCACAGATCTAGAGCCGGGTGAGCAACAGCTATGAAGAGCTG
 CAGCCGGGATGACGTAGAAATGGTGGAGGAATTTGATGAATTGCCTACAGATGCTGTCCGTGCGATAAGA
 AGAGAGCTTGTAAACAGTCAAAAGCACAGTCTGAGCAGAGGCAGGACCCGCTGTGCATCAGCATCACTG
 TGTGCACGGTAGAGAAAGACCGGCCGGCGCTTTAGACTCCCTTGAGGAGCCTTCTCCCGGGATGCTCTT
 CTTTCTGTCTGACAGGACCAGCAAGCGCACCCCCAGCTGAGGGAACACCCAGCACCAGAGGCCTCA
 GAGGCCAGTCAAGTGTGCTGAGGGCAGCAGTGCAGGTGAGGAGAAAGATGCCTCTGTGGAGC
 CGCTCCTCCAGCAGCCTCTCCGGGAGGGAGCACCTCGCAGGTGCTTGGAGCAGCCAGTGAAGAAGCA
 GGTGTACAGGACTTTCTGGAGACCAGGTTAAGATCCAGCAGCTTCTGGAGCCTCAGCAGTACATGGCA
 TGCCCTGCCACCACATCATAGTAAAAATCTTCAGGTTACTCCCTACCCTGAGTTTAGCCATTCTTAAAT
 GTACCTGTGCTACTTCAAGTCCATCATTGAATACTACAACATCAGGCCAGCAGATTCTCGGTGGGTTTCG
 AGACCCACGCTATAGGGAAGACCCTTGCAAGCAGTGAAGAAAAAGTATGTGAAAGGGGATGTGTCCCTG
 TGCCGGTGGCACCCCAAACCTATTGCCAGGCTTTGCCATATGGGCTGGCTACTGGATGTGCTGCCACC
 AGTCTCAGAAGGGCTTCTCGCTGTAAGTTAGGCCTTCATGACAATCACTGGTTACCTGCCTGCCATAG
 CTTTAAACCGGGCAATCCATAAGAAGACGAGAGGGAGTGAGACGGAAGAGGAGTAC

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence: >MG210094 representing BC048149
 Red=Cloning site Green=Tags(s)

MHLKLYWKLQKKERPLEVSRDTRLRTPMSHGKANGDVKARASYMKPTVLPASLVKASSRKPFGILSPNVL
 CSMGKSPVENS LN VKAKKNVL SAAVHQSEGLPGTWAI V KPGNTKEKIAFFAAHQYSNRIGSMKIKSSW
 DIDGRATKRRKSGDLKAKLQLEIMREINSQCYQSEPFVCGVEHCSVHYMSDSGDGVCARPLSVIQMV
 AFLEQKATALLASCTKNCTNSPAIVKISGQSRGIPPAPEPFSAPETCEEPKEQENPETGRSQGEPVRVLD
 MVARLESECLKHQGQREPGSLSRNNSFRNVGRVLLTNGSQASDKSEEGSADTADPQENPLQPVSVGEEP
 SVTEHHSVGEQAWDGTSSQSCPSLPATVSVFHM DSTLEPGQQTAMKSCSRDDVEMVEEFDELPTDAVRRIR
 RELVTVTKHSPEQRQDPLCISITVCTVEKDRPAALDSLEEPLPGMLFFLSSGQDQQAHPQLREHPAPEAS
 EASQPQDAEAGSSAGEEKDASVEPLLPAASPGGSTSQVLEAATCKKQVSQDFLETRFKIQQLLEPQQYMA
 CLPHHIIVKIFRLLPTLSAILKCTCRYFKSII EYYNIRPADSRWRDPRYREDPCKQCKKKYVKGDVSL
 CRWHPKPYCQALPYGPGYWMCHQSQKGFPGCKLGLHDNHWLPACHSFNRAIHKKTRGSETEEEY

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: BC048149

ORF Size: 2087 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: [BC048149](#), [AAH48149](#)

RefSeq Size: 3177 bp

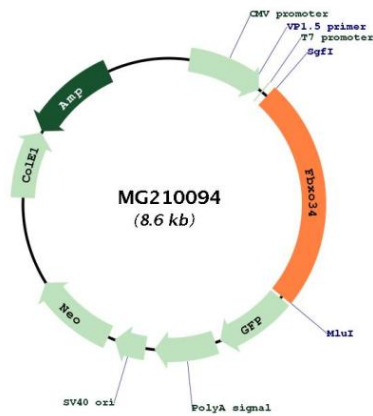
RefSeq ORF: 2087 bp

Locus ID: 78938

Cytogenetics: 14 C1

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 MG210094