

Product datasheet for **MG204160**

Fbxo22 (NM_028049) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Fbxo22 (NM_028049) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Fbxo22
Synonyms: 0610033L19Rik; 1600016C16Rik
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG204160 representing NM_028049
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCAGATTCTGAACTTTCATCAGCCTGGAAGAGTGTCTGGCCATAAAAGAGCGAGGAAGAGAACTA
 CTATGGAGACAGCATGTGCCCTGGAGAAGCTTTCCCAAGCAGTGCCAAGTCTTGGGATTGTGACCCC
 GGAATTTGGTGACTCCAATGGGATCAGGTAGCAATCGACCTCAGGAAATAGAAATTGGAGAATCTGGT
 TTTGCTTTATTATCCCTCAAATGAAGGAATAAAAATCAACCCTTTCATTTTATAAGGACTCCAAGA
 ATTTAACACTCGAAAGACACCAGCTTACTGAAGTAGGTCTTCTGGACAACCTGAACTTCGTGTGGTCT
 TGTCTTTGGCTATAACTGCTGTAAGGTGGGAGCCAGTAATTACCTGCATCGGGTAGTCAGCACTTTCAGC
 GATATGAATATCATCTTGGCTGGAGGCCAGGTGGACAATTTGTCTTCACTTACTTGTGAGAAGAACCCTC
 TGGATATTGATGCCACAGGTGTGGTTGGACTGTCAATTTAGTGGGCACCGAATCCAGAGTGCCACAGTTCT
 CCTCACTGAGGATGTAATGATGCCAAGACCGTCGAGGCTGCTATGCAGCGCCTCAAAGCAGCCAACATC
 CCTGAACAGAACACCATTGGCTTCATGTTTGCATGCGTTGGCCGAGGCTTTCAGTACTACAGAGCCAAGG
 GGAATGTTGAAGCTGATGCATTTAGAAAGTTCTTCCAGTGTCCCTTATTTGGCTTCTTTGGAATGG
 GGAGATTGGCTGCGACCGGATAGTCACTGGAACTTTATACTGAGGAGATGTAATGAGGTAAGGAAGAG
 GACCTGTTCCATAGCTACACAACCATCATGGCTCTCGTTCACCTGGGAACCTCTAAA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG204160 representing NM_028049
 Red=Cloning site Green=Tags(s)

MADSETFISLEECRGHKRKRRTTMMETACALEKLFPKQCQVLGIVTPGIVVTPMGSGSNRPQEIEIGESG
 FALLFPQIEGIKIQPFHFIKDSKNLTLERHQLTEVGLLDNPELRVVLVFGYNCCKV GASNYLHRVVSTFS
 DMNIIILAGGQVDNLSSLTCEKNPLDIDATGVVGLSFSGHRIQSATVLLTEDVNDAKTVEAAMQRLKAANI
 PEQNTIGFMFACVGRGFQYYRAKGNVEADAFRKFPPSVPLFGFFGNGEIGCDRIVTGNFILRRRCNEVKEE
 DLFHSYTTIMALVHLGTSK

TRTRPLE - GFP Tag - V

Restriction Sites:

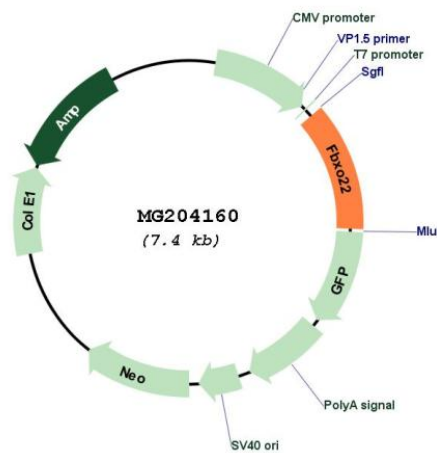
SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



Plasmid Map:



ACCN: NM_028049

ORF Size: 897 bp

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|-------------------------------|---|
| 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: | <ol style="list-style-type: none">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_028049.1 , NP_082325.1 |
| RefSeq Size: | 2057 bp |
| RefSeq ORF: | 1209 bp |
| Locus ID: | 71999 |
| UniProt ID: | Q78JE5 |
| Cytogenetics: | 9 B |
| Gene Summary: | Substrate-recognition component of the SCF (SKP1-CUL1-F-box protein)-type E3 ubiquitin ligase complex. Promotes the proteasome-dependent degradation of key sarcomeric proteins, such as alpha-actinin (ACTN2) and filamin-C (FLNC), essential for maintenance of normal contractile function.[UniProtKB/Swiss-Prot Function] |