

Product datasheet for **MG209930**

Zfp612 (NM_175480) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Zfp612 (NM_175480) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Zfp612
Synonyms:	B230354B21Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide
Sequence:

>MG209930 representing NM_175480
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCCGCATCGCC

ATGATCCCATCGGTTTGCCCCAGAAGTCGGTGACCTTTGAGGACGTGGCTGTGTACTTCACCCAGACGG
AATGGGATGGTCTGTCTCCTGGGCAGAGAGCGCTGTACAGGGATGTCATGCTGGAGAAGCTATAGGAACCT
GGCCTCTGTAGGATTTCCACTTCTCAAACCTGCTGTGATCTCACAGCTAGAGGAACGAAAGGATCTGGAA
AACCTGTTTCAGCTGGCCACTGGAACGGACTCCCAGGGCCTCTGGACTGAATGTACTGCTGTCCAGTCCG
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TCAGGAAACAACTTTTCAAAAACGTATATTTGGGCCAACACAGGAAATCCGGTCAGCAGGAAGTGAG
AGGGGGAGTGCCAGTGCCACCGATGGAAGAGCTAAGGCGAGCTCTGTGGAAGGGTGTGTTTGTAGTCAGA
CTCCACAATTGTCCAGGATCATACCAGCTCCACTGGAGAGCTATATTCTGATACCAAATAGTAAGAG
TGAAAGAATCACTACAGAGGAAAGACCTCTGAAACCCAGAGAATTAGCAGAGGCTTCTCAAGGCAGCCCT
CAAGTTAATCAGCTTCCAGAGATCTGTGATGTGGAGAAGCCCTACCAGTGTGCAGAAATGTGGCAAAGCCT
TCAGTGTTAAAGCCAAGTTCGTCTGGCATCAGAGACTTCATAATGGAGAGAAACCTTTCAAATGTGTGGA
ATGTGGGAAGTGCTTCAGCTACAGTTCCCACTACATCACACATCAGACAAATCCACAGTGGAGAGAAGCCT
TATCAGTGAAGGTATGCGGCAAGGCCCTCAGTGTTAATGGAAGTCTCGTTAGACACCAGAGGATCCACA
CAGGAGAGAAGCCGTATCAGTGAAGGACTGCGGGGCTGGCTTCGGCTGCAGTTCGCGTACATTACTCA
TCAGAGAACCCACACTGGAGAGAAGCCTTACGAGTGTAGTGACTGTGGGAAAGCCTTCAATGTTAACGCA
AAACTGATTCAGCATCAAAGAATTCACACTGGAGAGAAGCCTTATGAGTGCAGTGTGTGCGGGAAGGGCT
TCCGGTGCAGCACCCAGCTTAGGCAGCATCAGAGTATACACACTGGGAAAAGCCGCATCGCTGCAGCGA
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TCTGAGAATCCATACTGGGAGAGAAGCCATATAAGTGCAGTGAGTGTGGCAAGGCCCTTCAACGTCAATGCG
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TTACTTCTAAAAGAACTGCTGGATCACCAGCGAGCCACACCGGAGAAAAGCCGTATCAATGTAGCGA
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CTGGAGAGAAACCCTTTCAGTGTGGCGAGTGTGGCAAAGCCTTCCACGTCAATGCTCACTTAATTAGACA
CCAGAGAAAGCCATACTGGGAGAAAACCTTTCGGTGCACAGAATGTGGCAAGGGCTTCAGCCTTAGTTTT
GACTGTATTATACATCAGACTGTCCATACTTGAAGAAAACCTATGTATGTAACGTATGTGGGAAAACCT
TCAGGTTTAGCTTCCAATAAGCCAGCACCAAGATGTTCACAATGAAGACAAATCC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG209930 representing NM_175480
 Red=Cloning site Green=Tags(s)

MIPSVWPQKSVTFEDVAVYFTQTEWDGLSPGQRALYRDVMLENYRNLASVGFPLLKPAVISQLEERKDL
 NLFQLATGTDSSQLWTECTAVQSGNNL TKEVHEEEKSTLFELQKDFSQETNFSKTYILGQQQEIRSAGSE
 RGSASATDGRAKASSVEGCLFSQTPQLSQDHTSSTGELYSDTKLSKSERITTEERPLKPRELAEASQGS
 QVNQLPEICDVEKPYQCAECGKAFSVKAKFVWHQRLHNGEKPFKCVCEGKCFSSSHYITHQTIHSGEKP
 YQCKVCGKAFSVNGSLVRHQRIHTGEKPYQCKDCGAGFGCSSAYITHQRTHTGEKPYECSDCGKAFVNA
 KLIQHQRHTGEKPYECDVCGKGFRCSTQLRQHQSHTGEKPHRCSECGKFTKNAKLIQHQRVHTGEK
 YACSDCGKTFSAKGLIQHQRIHTGERPYECSECGKSFRCNSQLRQHLRIHTGEKPYKCECGKAFVNA
 KLMQHRRTHTGEKPFECKECGKCFSTRNLLDHQRAHTGEKPYQCECGKAFSINAKLTRHQIHTREK
 FKCMECEKAFSCSSDYIVHQRIHTGEKPFQCGECGKAFHVNAHLIRHRSHTGEKPFRCCTECGKGFSL
 DCIIHQTVHTWKKPYVCNVCGKTRFRSFQLSQHQDVHNEKDS

TRTRPLE - GFP Tag - V

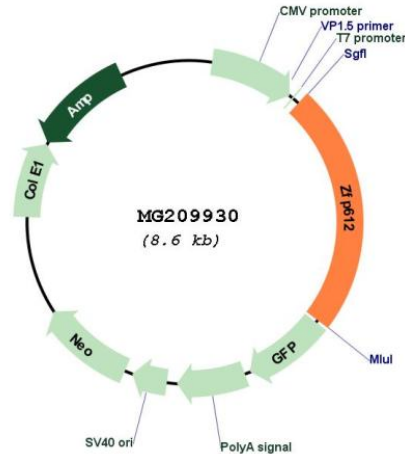
Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



Plasmid Map:



ACCN: NM_175480

ORF Size: 2016 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_175480.3](#), [NP_780689.2](#)

RefSeq Size: 4902 bp
RefSeq ORF: 2019 bp
Locus ID: 234725
Cytogenetics: 8 D3