

Product datasheet for **MG213412**

4930444G20Rik (NM_053264) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	4930444G20Rik (NM_053264) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	4930444G20Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG213412 representing NM_053264
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGTGGCAACCTAAACAGCCTGGGTTGGAGATGAAGCCTGAAGCTTCAGGAATAGGGCAAAAAAGAAAAT
 ACCACGATGAAAAGTGTGACAGAGATAGAGTCTGAACCTTTGGGACAAGAACCACAAAAGGAAAATGCCAGGA
 TGGAAACAGGGATGGTATTTAAAGAGCCTGGCAAGGAGCCTCGAGATCAAGAGCTCCCGAGAGAACATCCT
 AGCAAGGGTCAGGTACGGAAACCCAGGGAAAGACTCCAAAACAACCTAGAACCCCTAGAGTTGACCGAAG
 GATCTCCAGAGCAGGTTGTAAGTGGGAGGAAGCCTGCTGATGGTGGCAAGGGTCACAAGCGGCCCTATTC
 CGTCATGGAAGAAAACGAACAAAGCCCCAAAAGGAAAAATACGGAAGGTTGCTTCAACACCTTCAGTGC
 GACCAAGATGTGAGTTCAGACCCACACAGGCCTCACCCGTTCTTACAAACACCTGGAAGATCAAAGGGG
 GCGAGTCAGAAGACAGTCGTGGATCAGAAAGAACTCAGAGCGATCGAGAACCATCTACTGTTGTTGCTCT
 AAAAGAATGTCTTCCACAGAGGAGAGAGAGAAGTGTCTGAGGAGAAATGTGTTACAGAGAAGAAA
 GATTGTATAAAGGGTGAAGGAAGAAGGGGGAACAGCTTGAGCCTGATTTACCAGGAACACAGGCTCAGA
 TCATCCTGGATAGTGGCAAAGGCAATAGCTTATCCCCAATAAGGTGGCAGTCTTGCAGGAGAGAAAA
 GCCTATTACAGACCGAGGAAAAGGCAGAGAAAATGGATCAAATCCTTGATATTACAGAGGACATGGAGAAG
 GAAATTGAGAAATGCATTGGGTCCAGGACCCCAAGAGGAAATCCTAAGTTCAGATTCAAGTTGCAATCA
 GCAGAGGAGACATCCAGACGCTGGAGAACGGTCACTGGCTCAATGATGAGGTCATCAATTTCTACATGAA
 CCTTCTGGTTGAGAGAAAAGAAAACCAAGGCTACCCGGCTCTGCATGTCTTTAGCACTTTCTTTACCCC
 AAGCTAAAGCATGGCGGTTACAGTTCCTGAAAAGATGGACTCGAGGCATCAATCTTTTAAAAAGAAC
 TCATCTTGGTGCCTATTCACAGAGGGTACACTGGAGCCTGGTGGTAATCGATTTAAGAAAACGAAGTAT
 TGTATACCTCGATTCCATGGGGCAGACAGGGAAGTCTATCTGTGAGACCATCTTCCAATTTTACAAAAT
 GAGAGCAAGACACGCAGGAACGTTGAGCTGGACCCCTTGGAGTGGAAAGCAGTACAGTGTGACATCAGAGG
 AGATTCTCTGCAACTGAATGGGAGTACTGTGGAATGTTACCTGTAATATGCAGATTACATCGCTAG
 GGACCAGCCTGTGACCTTTTCTCAGCAACACATGCCACCTTCAGGAAGAGGATGGTCTGGGAAATCCTG
 CACAGTCAATTACTG

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>MG213412 representing NM_053264
 Red=Cloning site Green=Tags(s)

MWQPKQPGLEMKPEASGIGQKRKYHDESVTEIESEPLGQEPKRKCQDGTGMVFKEPGKEPRDQELPREHP
 SKGQVRKPKQKTPKQLEPLELETEGSPEQVVTGRKPADGGKGHKRPYSVMEENEQSPQKEKYGRLLQHLQC
 DQDVSSDPHRPHFPLTNTWKIKGGESEDSRGSERTQSDREPSTVVALKECLSPEEREKCCSEEKCVTEKK
 DCIKGEGRRGNSLEPDLPGTQAQIILDSGKGNLFPNKVAVLAAEKKPIIDRGKGREMDQILDITEDMEK
 EIENALGPGPQEEILSSRFKLQISRQDIQTLENGQWLNDEVINFYMNLLVERNENQGYPALHVFSTFFYP
 KLKHGGYSSVKRWTRGINLFEKELILVPIHQRVHWSLVVIDLRKRSIVYLDSMGQTGKSICETIFQYLQN
 ESKTRRNVELDPLEWKQYSVTSEEIPLQLNGSDCGMFTCKYADYIARDQPVTFSSQQHMPFRKRMVWEIL
 HSQLL

TRTRPLE – GFP Tag – V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_053264

ORF Size: 1485 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_053264.2](#), [NP_444494.1](#)

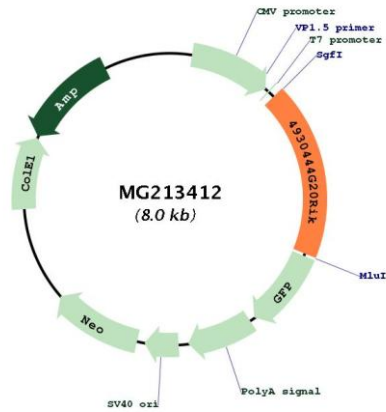
RefSeq Size: 1773 bp

RefSeq ORF: 1488 bp

Locus ID: 114671

Cytogenetics: 10 A3

Product images:



Circular map for MG213412