

Product datasheet for **MR213412**

4930444G20Rik (NM_053264) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	4930444G20Rik (NM_053264) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	4930444G20Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR213412 representing NM_053264
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTGGCAACCTAAACAGCCTGGGTTGGAGATGAAGCCTGAAGCTTCAGGAATAGGGCAAAAAAGAAAAT
 ACCACGATGAAAAGTGTGACAGAGATAGAGTCTGAACCTTTGGGACAAGAACCACAAAAGGAAAATGCCAGGA
 TGGAAACAGGGATGGTATTTAAAGAGCCTGGCAAGGAGCCTCGAGATCAAGAGCTCCCAGAGAACATCCT
 AGCAAGGGTCAGGTACGGAAACCCAGGGAAAGACTCCAAAACAAGTAAAGCCCTAGAGTTGACCGAAG
 GATCTCCAGAGCAGGTTGTAAGTGGGAGGAAGCCTGCTGATGGTGGCAAGGGTCACAAGCGGCCCTATTC
 CGTCATGGAAGAAAACGAACAAAGCCCCAAAAGGAAAAATACGGAAGGTTGCTTCAACACCTTCAGTGC
 GACCAAGATGTGAGTTCAGACCCACACAGGCCTCACCCGTTCTTACAAACACCTGGAAGATCAAAGGGG
 GCGAGTCAGAAGACAGTCGTGGATCAGAAAGAACTCAGAGCGATCGAGAACCATCTACTGTTGTTGCTCT
 AAAAGAATGTCTTACCAGAGGAGAGAGAGAAGTGTCTGTTCTGAGGAGAAATGTGTTACAGAGAAGAAA
 GATTGTATAAAGGGTGAAGGAAGAAGGGGGAACAGCTTGAGCCTGATTTACCAGGAACACAGGCTCAGA
 TCATCCTGGATAGTGGCAAGGCAATAGCTTATCCCCAATAAGGTGGCAGTCCTTGCGGAGAGAAAA
 GCCTATTACAGACCGAGGAAAAGGCAGAGAAAATGGATCAAATCCTTGATATTACAGAGGACATGGAGAAG
 GAAATTGAGAAATGCATTGGGTCCAGGACCCCAAGGAAAATCCTAAGTTCAGATTCAAGTTGCAATCA
 GCAGAGGAGACATCCAGACGCTGGAGAAGCAGTCAAGTGGCTCAATGATGAGGTCAATTTCTACATGAA
 CCTTCTGGTTGAGAGAAAATGAAAACCAAGGCTACCCGGCTCTGCATGTCTTTAGCACTTTCTTTACCCC
 AAGCTAAAGCATGGCGGTTACAGTTCCTGAAAAGATGGACTCGAGGCATCAATCTCTTTGAAAAAGAAC
 TCATCTTGGTGCCTATTCACCAGAGGGTACACTGGAGCCTGGTGGTAATCGATTTAAGAAAACGAAGTAT
 TGTATACCTCGATTCCATGGGGCAGACAGGGAAGTCTATCTGTGAGACCATCTTCCAATATTTACAAAAT
 GAGAGCAAGACACGCAGGAACGTTGAGCTGGACCTTTGGAGTGGAAAGCAGTACAGTGTGACATCAGAGG
 AGATTCTCTGCAACTGAATGGGAGTACTGTGGAATGTTACCTGTAATATGCAGATTACATCGCTAG
 GGACCAGCCTGTGACCTTTCTCAGCAACACATGCCACCTTCAGGAAGAGGATGGTCTGGGAAATCCTG
 CACAGTCAATTACTG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR213412 representing NM_053264
 Red=Cloning site Green=Tags(s)

MWQPKQPGLEMKPEASGIGQKRKYHDESVTEIESEPLGQEPKRKCQDGTGMVFKEPGKEPRDQELPREHP
 SKGQVRKPKQKTPKQLEPELETEGSPEQVVTGRKPADGGKGHKRPYSVMEENEQSPQKEKYGRLLQHLQC
 DQDVSSDPHRPHFPFLTNTWKIKGGESEDSRGSERTQSDREPSTVVALKECLSPEEREKCCSEEKCVTEKK
 DCIKGEGRRGNSLEPDLPGTQAQIILDSGKGNLFPNKVAVLAAEKKPITDRGKGREMDQILDITEDMEK
 EIENALGPGPQEEILSSRFKLQISRQDIQTLNENQVNFYMNLLVERNENQYPALHVFSTFFYP
 KLKHGGYSSVKRWTRGINLFEKELILVPIHQRVHWSLVVIDLKRSIVYLDMSGQTGKSI CETIFQYLQN
 ESKTRRNVELDPLEWKQYSVTSEEIPLQLNGSDCMFTCKYADYIARDQPVTFSQQHMPTFRKRMVWEIL
 HSLL

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mm9080_f10.zip

Restriction Sites:

Sgfl-Mlul

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: 1771 bp

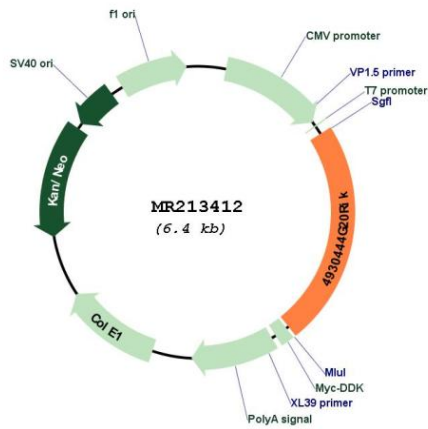
RefSeq ORF: 1488 bp

Locus ID: 114671

Cytogenetics: 10 A3

MW: 56.6 kDa

Product images:



Circular map for MR213412