

Product datasheet for **MR214782**

6030458C11Rik (NM_029998) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	6030458C11Rik (NM_029998) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	6030458C11Rik
Synonyms:	MGC118638
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide
Sequence:

>MR214782 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGAGTGACACCGAGGGCGACCGCGCGACTCAGGCGCTACACCAAGCTCCCGGTGTGGTGGTGGAGG
ATCACCAGGAGGTTCTGCCTTTCATATACCGGGCCATAGGTTCGAAGCATCTTCCTGACAGTAATAAAG
TTTCTTACATTTGGACTCCCACCCAGACCTCCTTATCCCTGTGAACATGCCAGCAGACACTGTGTTTGT
AAGGAAGCACTCTTTGGAGAAGTGAATCGAAAATTGGATTATGCCTGCAGTTTACGCTGGCCATTTTT
CTCAAGTAATCTGGCTCCACCCACGTGGGCCAGCAAATCAGGGAGGGCAAGCACTGCTTCTTAGTAGG
CAAAGACATTTCTACCACAACCATCAGGGTTACAAGTACAGATTCTTACTTCTAAGTGTGGTCTGTTT
GTACCTGAAGACCAGCTAGAGAACCGAAGGCCCTTACAGTTAGATGTGATTCTGGTAGAACCTTACACAC
TCTGTAGCAAACAAGATGACAGTACTCTGTGCTTCTACAAAGAAGCCCAAGCTGGCACTGGGAAGTGG
AGAGAGCAGCGCTGCGGCTGATGGGCACCTTGTCTCAGAAGGACGTCGAGGAGACGCACTGACACCAAGA
AGTGACCATGCTTGCCAGGAGCCGCTCCTGCTCAGGTTCCGGAGGTCAGCAGAGCCAGAACACAGCCACCG
CTGGGGCGATTCTGGACATACTGAAGACGGGAGATGCGTTTTGTTTTAGATATTGACTTGGATTTTTTTTC
TGTCAAAAACCCCTTCAAAGAAATGTTCACTCAGGATGAATACAAAATCTACAGGAGCTTTACCAGTTT
AAAAAGCCTGATAGTAACCTTCCGAGGATGGTTTGGTGGATGTTGTTGAGGCTCGAACCCATCAGTTGG
AAGATTTAGAAGCAGTCTTTGCTGACTTGTGTGACGGTGTAGTGAAGAAACCGTACAGAGCTGGGCTTC
AAACCTGGGATGGAGTCACTAGTTCCTTGTACAGAGTTTGAAAAACGGATGGAAGTACCAGACTAT
GAAATGGTCCACCAGGCTGGGCTAACTTGCATTATTCAGAACTCCTCATCATATCAGCACAGAAGAAG
AAATTGAGTATCTTATTCAGTCTGTGATTTTTCTATAAAAAGTCTACCAAACCTACTCTTGTGACAAT
TGCAAGGTCAAGTCTGGATGATTACTGCTCCGGAACAAGTTGACATGATTACGGGAAAGTCTCCTCGAT
GTGCTGCACTCACTCTACGGACCTGGACACTCACCTGGTGTACTCAGAAGAGTCCCCTCTGAGC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR214782 protein sequence
Red=Cloning site Green=Tags(s)

MSDTGGDRARLRRYTKLPVWVVEDHQEVLPIYRAIGSKHLPDSNISFLHLDSPDLLIPVNMPADTVFD
KEALFGELSIENWIMPVYAGHFSQVIWLHPTWAQQIREGKHCFLVGKDISTTTIRVTSTDSYFLSDGLF
VPEDQLENRRPLQLDVILVEPYTLCSKQDDSDSVSSTKKPKLALGSGESSAAADGHSCSEGRRGDAVTPR
SDHACQEPSCSRSGGQSQNTATAGAILDILKTGDAFVLDIDLDFFSVKNPFKEMFTQDEYKILQELYQF
KKPDSNLPEDGLVDVVEARTHQLEDLEAVFADLCDGDSEETVQSWASNPGMESLVPLVQSLKKRMEVPDY
EMVHQAGLTCDYSELPHHISTEEEEIEYLIQSVYFLLKSLPKPTLVTIARSSLDYCPPEQVDMIQKVL
VLHSLYGLDTHLVYSEESPLS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:


ACCN: NM_029998

ORF Size: 1329 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_029998.3](#), [NP_084274.1](#)

RefSeq Size: 3974 bp

RefSeq ORF: 1329 bp

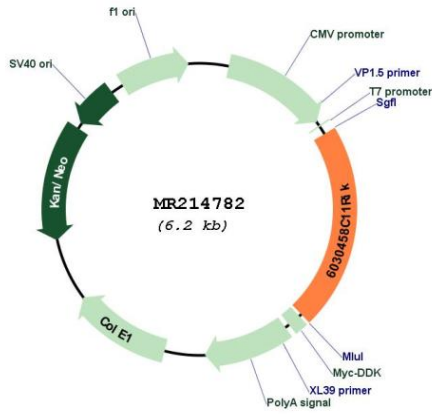
Locus ID: 77877

UniProt ID: [Q8BGC1](#)

Cytogenetics: 15 A1

MW: 49.4 kDa

Product images:



Circular map for MR214782