

Product datasheet for **MR214154**

4933434E20Rik (NM_025762) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: 4933434E20Rik (NM_025762) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: 4933434E20Rik
Synonyms: 5730552F22Rik; AI462154; NICE-3; NS5ATP4
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR214154 representing NM_025762
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCGTCTAGTAGTAACTGGCTTTCTGGAGTGAATGTCGTGCTGGTGATGGCGTACGGGAGCCTGGTAT
TCGTAAGTCTGTTTATTTTTGTGAAGAGACAAATCATGCGCTTTGCAATGAAATCTAGAAGGGGACCTCA
TGTTCTGTAGGACACAATGCCCAAGGACTTAAAAGAGGAGATCGATATTCGACTATCCAGGGTTCAA
GATATCAAGTATGAACCCAGCTCCTTGCAGATGATGATACCAGACTACTGCAGCTGAAACCCAGGGGA
ATCAAAGTTGCTACAACATCTGTACAGAATGAAAGCTCTAGATGCCATCCGTGCCTCTGAGATCCCGTT
TCATGCTGAAGGCCGGCACCCCTGTTCTTTAATGGGTAAGAATTTCCGCTCCTACTTGTAGATCTGCGA
AATACTAGCACTCCTTTCAAGGGTGTGGCAAGGCCCTCATTGATACTCTCCTGGATGGATATGAGACAG
CCCCTATGGGACAGGGTCTTTGGCCAGAGTGAGTACTTACGATATCAAGAGCCCTTGAGTGAGCTGGC
CACTGTGGTCAAAGCACGAATTGGAAGTTCTCAGAGACAACACCAGTCAGCAGCCAAAGACCTAACTCAG
TCACCTGAAATGTCACCAACAACATCCAGTACATACCTGCCTTCCAGTCAGAAGAGCAAACGCCCTA
AGCACTTCTGGAAGTGAAGAGCTTTAAGGACAACATAACACACTGGAGAGCACTCTG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



Protein Sequence: >MR214154 representing NM_025762
 Red=Cloning site Green=Tags(s)

MASSSNWLSGVNVVLVMAYGSLVFVLLFIFVKRQIMRFAMKSRRGPHVPVGHNAPKDLKEEIDIRLSRVQ
 DIKYEPQLLADDDTRLLQLETQGNQSCYNLYRMAKALDAIRASEIPFHAEGRHPCSLMGKNFRSYLLDLR
 NTSTPFKGVGKALIDTLLDGYETARYGTGVFGQSEYLRVQEALSELATVVKARIGSSQRQHQAADLTQ
 SPEMSPTTIQVTYLPSSQKSKRPKHFLLELKSFKDNYNTLESTL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9024_d06.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_025762

ORF Size: 759 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_025762.3](#), [NP_080038.1](#)

RefSeq Size: 1613 bp

RefSeq ORF: 762 bp

Locus ID: 99650

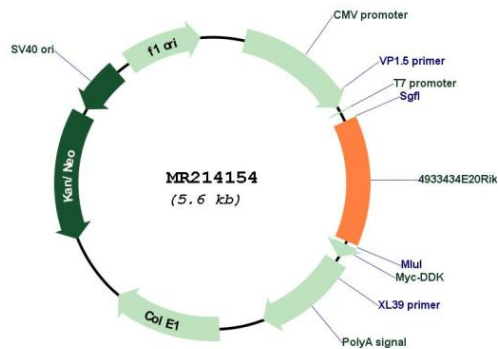
UniProt ID: [Q8R092](#)

Cytogenetics: 3 F1

MW: 29.1 kDa

Gene Summary: General regulator of phagocytosis. Required to uptake Gram negative bacterium by macrophages.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR214154