

Product datasheet for MR214147

4933434E20Rik (NM_027500) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	4933434E20Rik (NM_027500) 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:	>MR214147 representing NM_027500 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCGTCTAGTAGTAAGTGGCTTTCTGGAGTGAATGTCGTGCTGGTGTGGCGTACGGGAGCCTGGTAT
TCGTAAGTCTGTTATTTTTGTGAAGAGACAAATCATGCGCTTTGCAATGAAATCTAGAAGGGGACCTCA
TGTTCTGTAGGACACAATGCCCAAGGACTTAAAGAGGAGATCGATATTCGACTATCCAGGGTTCAA
GATATCAAGTATGAACCCAGCTCCTTGCAGATGATGATACCAGACTACTGCAGCTGAAACCCAGGGGA
ATCAAAGTTGCTACAACATCTGTACAGAATGAAAGCTCTAGATGCCATCCGTGCCTCTGAGATCCCGTT
TCATGCTGAAGGCCGGCACCCCTGTTCTTAATGGGTAAGAATTTCCGCTCCTACTTGTAGATCTGCGA
AACTACTAGCACTCCTTTCAAGGGTGTGGCAAGGCCCTCATTGATACTCTCCTGGATGGATATGAGACAG
CCCGCTATGGGACAGGGGTCTTTGGCCAGAGTGAGTACTTACGATATCAAGAGGCCTTGAGTGAGCTGGC
CACTGTG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:	>MR214147 representing NM_027500 Red=Cloning site Green=Tags(s)
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MASSSNWLSGVNVVLMAYGSLVFVLLFIFVKRQIMRFAMKSRRGPHVPVGHNAPKDLKEEIDIRLSRVQ
DIKYEPQLLADDDTRLLQLETQGNQSCYNLYRMKALDAIRASEIPFHAEGRHPCSLMGKNFRSYLLDLR
NTSTPFKGVGKALIDTLLDGYETARYGTGVFGQSEYLRVQEALSELATV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV



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Chromatograms: https://cdn.origene.com/chromatograms/mm9028_a11.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_027500

ORF Size: 567 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_027500.4](#), [NP_081776.2](#)

RefSeq Size: 1102 bp

RefSeq ORF: 570 bp

Locus ID: 99650

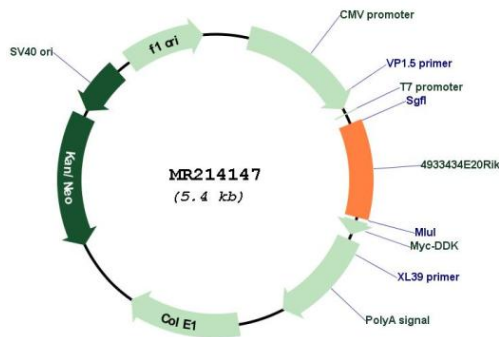
UniProt ID: [Q8R092](#)

Cytogenetics: 3 F1

MW: 21.9 kDa

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

Product images:



Circular map for MR214147