

Product datasheet for **RR214545**

Ly49s4 (NM_001009487) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ly49s4 (NM_001009487) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Ly49s4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RR214545 representing NM_001009487 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAGTAAGCAGGATGTTCTTGCTCAACTGTGAGATTTAAAAAGTCTTCAGGGTTGTGGTATCAAGTGA
GGCCTGAGGAGACTCAAAGGCCAGGAACTGGCTGCAGAGTCCCCTGGCAGCTCACTGTGATTGGTAT
TGAATCCTCCTTCCCTTCGACTGGTTGCTGTTGCAATGTTGCTGACAAACATTTTCAGTACAGTAAT
GAAAACCATGAACTACAGAAAACCTAAAACCGTCACCATAACTGCAGCACCATGAAAAGGACATCAAAT
TAAAGGAAGAACTACTGAGAACTATGCTGCAGAGAGTGTCACTACAATGCTCTTCTGGACTTAATCAA
CAGAGAACAGAACAGATGGTACAAGAAAACCTAAGACTGTTTTAGCTTCCCCTCAGCGCACAGGCGGGTGT
GATGAAATGCACTGGTTCTGCTATGGTATAAAATGTTATTATTTACCATGGATATAAGGATATGGCGTG
AATGTAAACAGACCTGTCAGAACTACAGCTTGTCTTTCTGAAGATAGATGTTAAGGATGAAGTGAAGTT
CCTTCAGGACCACATTATTCGTGACAATTACTGGATTGGATCATCATATAATAACAAAAAAGGAATGG
TCATGGATTGACAACAGCCCATTTAATCTTGATTTTGTGGCAAGGAATTCGCTACGAAAAACAGGATACT
GTATGTATTTAGTATGGCAGGTCTACATGATGATGACTGTGGTAAAAGATATCTCTGTATCTGTGAAAA
GGGAATGGACAAAATCCCTGCCCATTTGTGCAGTGTGAAGGAAAGGTCACATTCTGCTGTG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



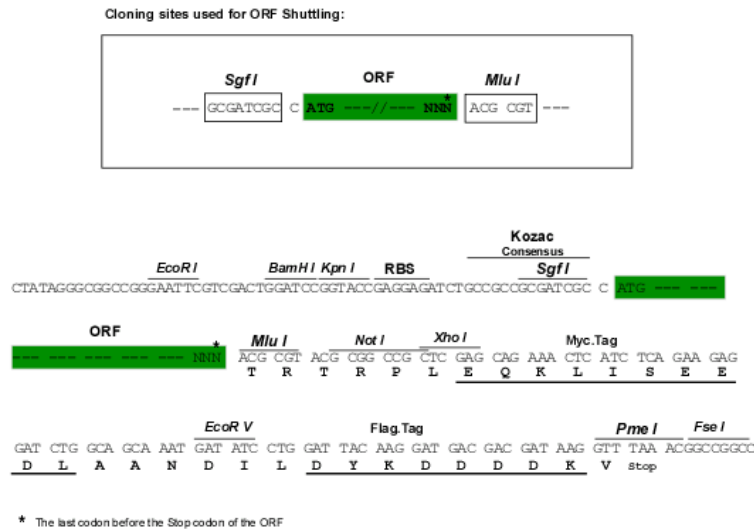
[View online »](#)

Protein Sequence: >RR214545 representing NM_001009487
 Red=Cloning site Green=Tags(s)

MSKQDVP CSTVRFKKSSGLWYQVRPEETQRPRETGCRVPWQLTVIGIGILLSRLVAVAMLLTNIFQYSN
 ENHELQKTQNRHHNCSTMEKDIKLKEEILRTMSAESVHYNALLDLINREQNRWYKKTKTVLASPQRTGGC
 DEMHWF CYGIKCYFTMDIRIWRECKQTCQNYSLSFLKIDVKDELKFLQDHIIRDNYWIGSSYNNKKKEW
 SWIDNSPFNLDFVARNSLRKTGYCMYFSMAGLHDDDCGKRYLCICEKGM DKIPAPLCSVKERSHAV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI
Cloning Scheme:



ACCN: NM_001009487

ORF Size: 831 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_001009487.1, NP_001009487.1

RefSeq Size: 1411 bp

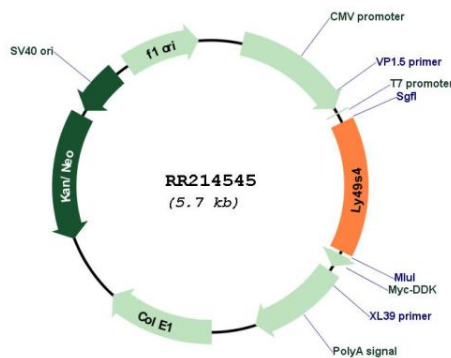
RefSeq ORF: 834 bp

Locus ID: 494195

Cytogenetics: 4q42

MW: 32.6 kDa

Product images:



Circular map for RR214545