

Product datasheet for **RR205649**

Klf14 (NM_001135094) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Klf14 (NM_001135094) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Klf14
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RR205649 representing NM_001135094 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGCATCGCC**

ATGTCAGCCTCCGTGGCTTGCTGGACTACTTCGCTGCGGAGTGCCTGGTGTCTATGTCCACCCGCGCCG
TGCTGCACCGCGCGCAACGGACTCCGAAGGCGCGGGCGCAGCGGCTGTCTCCGAGGTGGGTGAGGTGTC
ACGGGAGTCAGCGGGGAAGGGTACCGGGTCACGGGGGTGCTGTGGATACCCCGGTCTCGAGGTCCCC
GCCCCTAGCCCCGCGAAGGCGATGGTGCGCCACCTGCTGGCTGCGAGCGCTTTGGCTGATTTAAGCT
GTGGTGCCCGGAAGGCACCAAGGAGGACTCGGAAGAAGCTCCGTGTGCCTCAACAAGCTGCTTCGAGCC
GACCCAGTGCTCCAGCCCTACTGGGTGCTCTGAGCCTACCCAGACCTTCGGCGAGGATGAGCTCTCTGAC
GCCGAGAGCTCCTGCAGCGAGTCTGCTATCCTGGGTGCGCCTGAAGTCCAGAGGAGCCGGATGACAGCG
GAGAAGTGCCCGAGGGGCCCCAGGGGCGCCCTGGGCCAGCAGTGGGTCTACGTACCGCAGGAGGCA
GATTACACCCGATCCAAGCGACATCAGTGCTCCTTCCATGGCTGCAACAAAGCCTATTACAAGTCTTCG
CACCTCAAGTCACACGAGCTACCCACACGGGGAGCGCCGTTCTCTGCGATTGGCTCGACTGCGACA
AGAAGTTTACGCGTTCAGACGAGCTGGCCCGCCACTACCGACCCACACCGGTGAAAAGCGCTTCTCTG
CCCGCTGTGCCCAAGCAGTTCTCCCGAGCGACCACTGACCAAGCATGCCCGTCGCCACCAACTTAC
CATCCCGACATGATCGAGTACCGGGTCTGTCGCACTCCTCGCCCCGAGCCACCCCCAGCCATGG
TGGAAGCTCGGCTCCGACTCGGGCCAGGAGACCAGTTCAGTCTTGGCCG

AG**CGGACCG**ACGCGTACGCGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
TGGATTACAAGGATGACGACGATAAGGTTTAA


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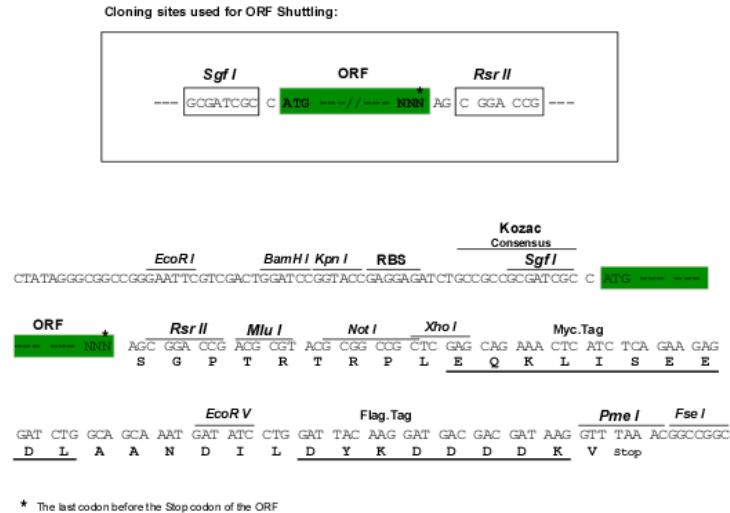
Protein Sequence: >RR205649 representing NM_001135094
 Red=Cloning site Green=Tags(s)

MSASVACLDFYAAECLVSMSTRAVLHRRATDSEGAGAAVSEVGEVSRESAGKGTGSRGVLWIPPVLEVP
 APSPGEGDGAPHLLAASALADLSCGAREGTKEDSEEAPCASTSCFEPTQCSSPTGCSEPTQTTFGEDELS
 AESSCSESAILGAPEVPEEPDDSGEVPEGPPGARPGPVAVGPTYYRRRQITPASKRHQCSFHGCNKAYYKSS
 HLKSHQRTHTGERPFSCDWLDCDKKFTSRDELARHYRTHTEKRFSCPLCPKQFSRSDHLTKHARRHPTT
 HPDMIEYRGRRTPRPEPPPPAMVESSGSDSGQETSFTACP

SGPTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-RsrII

Cloning Scheme:



ACCN: NM_001135094

ORF Size: 963 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_001135094.1, NP_001128566.1

RefSeq Size: 2923 bp

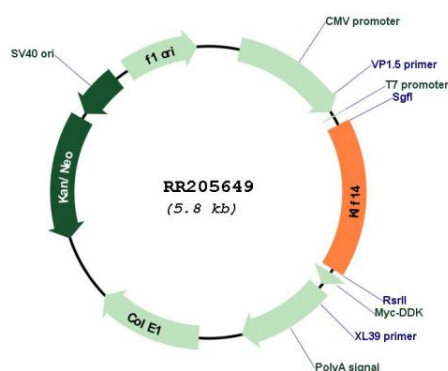
RefSeq ORF: 966 bp

Locus ID: 312203

Cytogenetics: 4q22

MW: 34.5 kDa

Product images:



Circular map for RR205649