

Product datasheet for **RR213959**

LOC499715 (NM_001047950) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	LOC499715 (NM_001047950) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	LOC499715
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RR213959 representing NM_001047950 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGTGTGGGCAGTACTTAAGGAAGAAAGAAGAGCGTGTCTCAGAGTCCCTGGAAGTGGAGTTCCAGATGTTG
 TAACCACAGGAAGTGCAGGAAGTGTGGATGCAATTACATTCACCTCCATCCTTGGGCTTCACAATG
 TCAAGCTATGCTCATCCAGACAGTGCAAGCTCTGGGAAGGGGACGACTCGGATCTCACCTAAAGAA
 CAGACAATGGGAGGCAGCATGATAAACGCTCGGCTCCTTTACTGGTTTTTGGCAGGTTGCTGAGGGCAT
 ATGTTTTACACTTCGCCGCTCTGATTTGTGAGAATCTGCTGACATCCAAGAAAGTGCTACAAAAACCTGT
 TGCTCCCATCCAAGGCTCCTTGTTGACGAAGTATTATGAAGCAGTTTTCCAAGAGCTGCTCCTTGGAT
 AAAACAGATCGGCAATATGGAACCTTCCCTATGAAGAAGCCAGGAGAGATCCCCTTTCTCCTCTGGCCT
 CACTTCAGTATAGGAGGCCCTTGGCGTTATGGCAGAGAACTGAGGTCTTTGTACTCTTACTTCAGCAATG
 GCGTCTTCAGCCCTCACTGGCTCAGGCTGGAAACCTGAAGTACCCTCAATGCTCCTTTGTTCCACCTCA
 CACCCAGATGTTAGGAAGTCTTATTTGCTCTAAGTCCACCTTCTCCACTCTGGCCTCACTGTGGACT
 TCAGCATCATCGTGTGTTCACTGTATGTGCTCTTACTCGCCCTCCAGGATTGTTAGTCATCAACATGTG
 TGCTCTGACAGTTGCTTGTGTGTGCTCTGACAATCATTATCCTGGGTGTTCTGCCATCACTGGGACAA
 ACTCAGAAGCCAAAGAAGGTAGGTGGAAGAAGTCTTAGCTTTAAAGTCATACTAGTCTCCAAGGCCGAA
 GTGACTCAGGGCCACATGCAGAAAGCCAGGGGCAGGATCTGGGATGGGGCCATAGAGAAAATGCCAAGGA
 GCAAGAAGGGAAGTGGCTTGAG

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 ACAAGGATGACGACGATAAGGTTTAA


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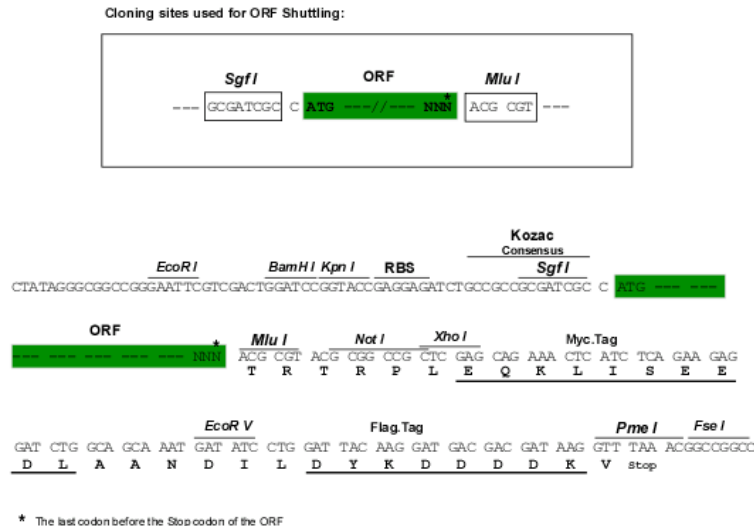
Protein Sequence: >RR213959 representing NM_001047950
 Red=Cloning site Green=Tags(s)

MCGQYLRKKEERVVPDVTGAGTVDAITFNSILPWASQCQAMLIQTVQSSGEGGRLGSHLKE
 QTMGGSMINARLLLLVFGRLRAYVLHFAALICENLLTSKKVLQKPVAPIQGSLFDELIMKQFSKCSLD
 KTDQRQYGFPMKKPGEIPFLPLASLQYRRPLALWQRTVEFVLLQWRLQPSLAQAGNLKYPQCSFVPTS
 HPDVQEVLFASSHLLHSLTVDFSIIVCSLYVLFTRPPGLLVINMCALTVVLCALTIILGVLP SLGQ
 TQKPKKVGGRSLSFKSHTQSPRRSDSGPHAESQGQDLGWGHRENAKEQEGKWLE

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001047950

ORF Size: 1002 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_001047950.1, NP_001041415.1

RefSeq Size: 1005 bp

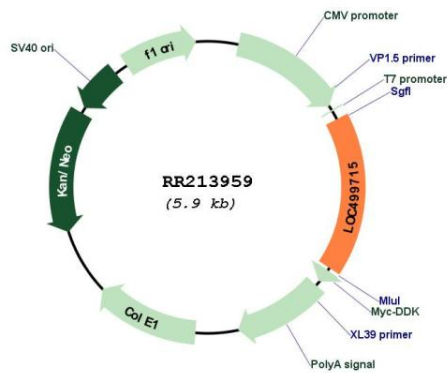
RefSeq ORF: 1005 bp

Locus ID: 499715

Cytogenetics: 2q44

MW: 36.9 kDa

Product images:



Circular map for RR213959