

Product datasheet for **RR206285**

LOC499544 (NM_001047944) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: LOC499544 (NM_001047944) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: LOC499544
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >RR206285 representing NM_001047944
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAAACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGCCCCAGCAAGGGAAGGAGCTTGCCACAAAACCTGAAGACCTGAGTTCAAACCTAGACCTCCACTTG
 GTAGAAGAGAATGCCTCAACCCACTGAAGGCCATGACTGGAAACCTCCAGAAGGACAGCCAGTGGAGCAC
 CTACCGAGGCATTTTACCCTCTCAAGAACGTGCATCAGATGCCGGAACCTCCTGTGCTTTCTCACAGGTG
 TCCCTCTCTGCTGTTACAGGAAGCCCTTAGCTTCCGGTTCCTGCTACTGTGCTGTTGCTTGCTGCCAT
 ACCTCTGCTCCTCCAGCACGGACTCTAACCTCTAGGAACCTGTCACTGTCCTGTTGCTCTATGCCGTCT
 GTACGAAGGACAGCTGCTGGTGTGCTTCACTGGCAGTGTGAACCTGACCGAGAAGGTGGGCTGTCAAGGTG
 GGCTTGGGAGCCCCATCCAACAAGCAGTATCTGCGCATGTGCTGTGGAAGAGAGGACCCTATTAGAGCTG
 CTTCCATGCCCTGTACAAAAACAGAGGCTCCTGTTAGCAATGTGAACCCAGTCCCATGCCAGAGGACACA
 GAACACCATAGGACCAATGGAGGAGTCACCAGGAATGGGTATT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR206285 representing NM_001047944
 Red=Cloning site Green=Tags(s)

MPQQGKELATKPEDLSSNRPPLGRRECLNPLKAMTGNLQKDSQWSTYRGILPSQERASDAGTSCAFSQV
 SLSAVHRKPLASGSCYACCLLPYLCSSTDSNPLGTCHCPVALCRLYEGQLLVCLHWQCELTEKVCQV
 GLGAPSNKQYLRMCCGREDPIRAASMPCKTEAPVSNVNPVPCQRTQNTIGPMEESPGMGI

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI


[View online »](#)

Cloning Scheme:



ACCN: NM 001047944

ORF Size: 603 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 001047944.1, NP 001041409.1

RefSeq Size: 606 bp

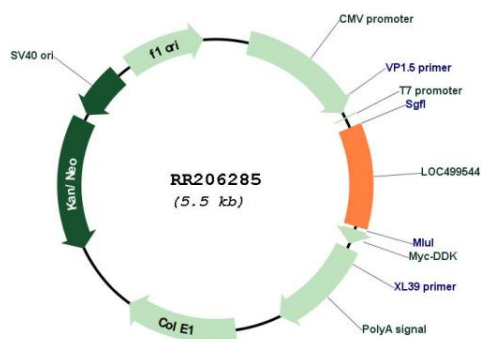
RefSeq ORF: 606 bp

Locus ID: 499544

Cytogenetics: 2q16

MW: 21.7 kDa

Product images:



Circular map for RR206285