

Product datasheet for **RR205733**

LOC688765 (NM_001109512) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	LOC688765 (NM_001109512) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	LOC688765
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RR205733 representing NM_001109512 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCCTGGCCACCTGCTCAGAAGCCCGGGGACTCAAAGAAGAGTACGGAGGCCAGCCAGACGGACG
 TCTGTGCTACTCAAGTTTCAGAAGAGTCCCAAGTCTGTACTGATGAGGTACTGAGCTCTGGTTCCAT
 CAGCTTCTCTGGAGACCTGCAATCCTGTTACACACCTCTGAAAGCCACCAGAGACCGAAACGCCGACT
 ACAAGTTCGGAAGAACAAGACGAGCTGTCAGAATTTTCAGTCTTACAGGATGAAAATAAGCTGAGTGAAA
 AGTGGATCAACCACTCAAGAGCAAAGAAATTCATTAGAAAGATATCAGTCCGACCTTAGACACCTGCC
 TGAATCCCCAAGGCATCCGCAGAAGAACTGAATGCCCTGCGGTCTTTTGTACTAAAAAGTAACTCG
 ATCCACCAGAGAGAGGATTCCAGAGGTAAGAAAAGCAACAGACCCAAAAGGCTGCAGCTCAAATGGATTG
 CAGAGACATCAGAGGTAGATCCTTTTAATTGTACGATTCTGATGAAGTGTGAACAGAATCTATTTGGA
 AAACACCAGAGCGACTCTAGCGTACATAGGGGCGATTACACAACACAATCTTCGCAGTGTCCAGCTGT
 ACCAGCAAAGAGCAGAGCTGGCTCAGTCTGACTTCCTAAGACGAAGGAAGACTTTACTGCAGTCACTAC
 TACTCCAAGAGAAAATAGACGAACACCTTCACACCACAGACTTTCTACCCGTATCGGGGAGGCACATCA
 GGACTTCCCCAGGCTTTCCGATGATCCTAGGATCATCTGGAAGCGACTGACTGAGAAAATGCAAAAGGGA
 AGCTCTGGCTCTGGGCAGGCATGTTCAAAGCAAGTG

ACGCGTACGCGGCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

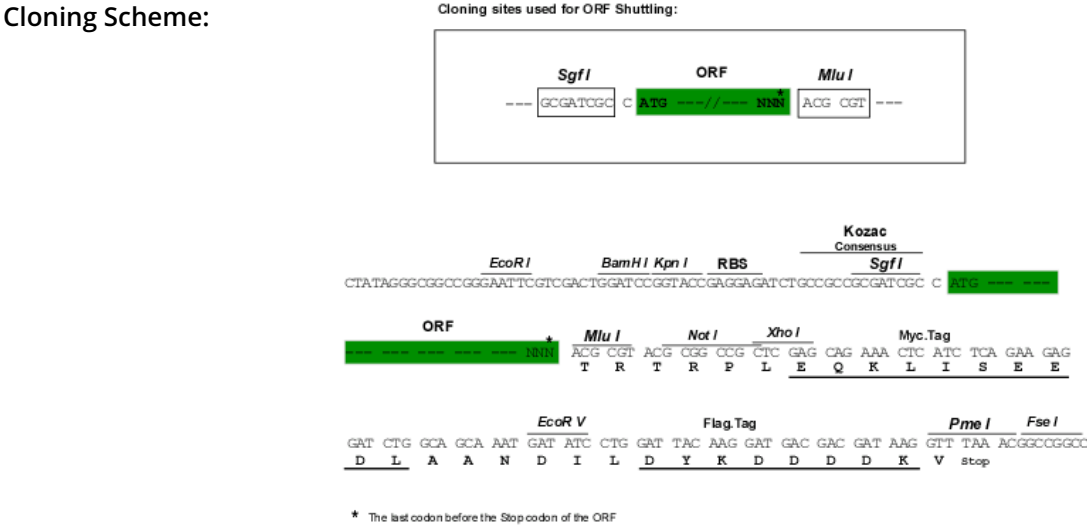

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Protein Sequence: >RR205733 representing NM_001109512
 Red=Cloning site Green=Tags(s)

MAWPPAQKPGDSKEEYGGPAQTDVCATQVSEEFPKSCTDEVLSGSI SFSGDLQSCSHTSESPPETETPT
 TSSEEQDELSEL SVLQDENKLSEKWINHLKSKEIHSERYQSDLRHLPEIPKASAEELNALRSFCTKKVNS
 IHQREDSRGKKS NRPKRLQLKWI AETSEVDPFNCTIPDELLNRIYLENT RATLAYIGAITQHNSSQCPSC
 TSKRAELAQSDFLRRRK TLLQSLLLQE KIDEHLHTD FLTRIGEAHQDFPRLSDDPRIIWKRLTEKMQKG
 SSGSGQACSKQV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI



ACCN: NM_001109512

ORF Size: 876 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_001109512.1](#), [NP_001102982.1](#)

RefSeq Size: 1899 bp

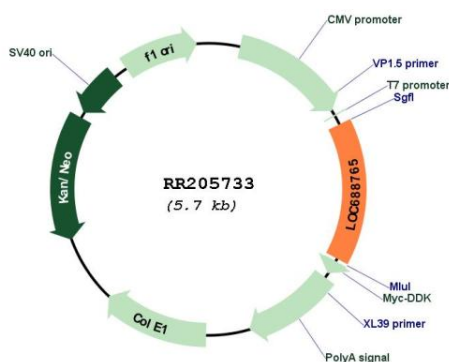
RefSeq ORF: 879 bp

Locus ID: 688765

Cytogenetics: 16q12.1

MW: 33 kDa

Product images:



Circular map for RR205733