

## Product datasheet for **RR208506**

### LOC689713 (NM\_001047978) Rat Tagged ORF Clone

#### Product data:

Product Type: Expression Plasmids  
Product Name: LOC689713 (NM\_001047978) Rat Tagged ORF Clone  
Tag: Myc-DDK  
Symbol: LOC689713  
Mammalian Cell Selection: Neomycin  
Vector: pCMV6-Entry (PS100001)  
E. coli Selection: Kanamycin (25 ug/mL)  
ORF Nucleotide Sequence: >RR208506 representing NM\_001047978  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGCCCTACGTTGACATCATCGGGATCCTTAATGGCTGCCAAGCTGACTGGGGCTTTGTCCCTCCCGTCC  
TTCTCCAGGACTCCGCTGTTGAGTTTGTTCAGCCATGACAAGGGATACCAAGTCCAACCTGGAAGACCGG  
GGCCAGTGTCCAGTCTCAGCCCCACCCAGACAACATGGAGACGTCATCCTGGATGATCATGGCCCCAA  
ACAAGGATGGAGTCTACTGCAACTGAATCTCAAGTACCCTCAAGGCTCTGTGTCTGGAGACCTCCCTGCA  
GTGTGAACGTTCCCTGGTTAGAAAATGGGTATGGATACGGGTGATGATGCTTATTGTCTCCGAGGGA  
CACCGTGTGCCGCTACAGTAGTTCTGAGCGCTGTTGGAAGCAGCAAGCACAGACCGGCCATTTTCTCTGC  
AGAGAACGCTCTTGTGGCTGGGGTGTGCTCTCCGAGCAACTGGCACCCAGACTCGAGAGCAGACCT  
ACTTTGTTAAGCAACTGCCAACTTCTCTGTCACTCATATGGCAGGTGGATATGACTGCCCTGGGAAAATC  
GAAGGAGATCGAAATTTCTCTGGGGCTGTGCTGTGGAGGTCTGTGTTGATTTGCTTTCGAGAAGAGCT  
GCACAGACGGGATGTGGAACTCAGCCACAGAACCTGGGGATGGAAGAGGCACGAAAGAGAAGCTCCTCG  
TTGTCCTGGAGGAATCACACCACCAGAACCTGAGTTCAGCCTTCGGGTGGAAACTTAAGATGGCAGATCA  
ATGGCTTCGTTTTCTAGGGATGTTGAGTTTGGGCTGGGGCTGACTGTGGTCTATGAACAGAATCCT  
GCCACACTTGAAATCCAGACGGTGTAGATGTTACTAGTGAAGATAAGAAGCCGTTGAAGAATCAAAAA  
CAAAAACAAAAACAAACCAAAAAATAAAACAAAGAAGAGGACGAGGAAGAAGAAGGAGGAGGAGGAAGA  
GGAAGAAGAGGAAGAAGGGAAGAAGACGACAGCAGCACTGGGGAACAAAGAGGAAAAGATACTCAG  
TCAGCCCTAATAGAAAGTGTG

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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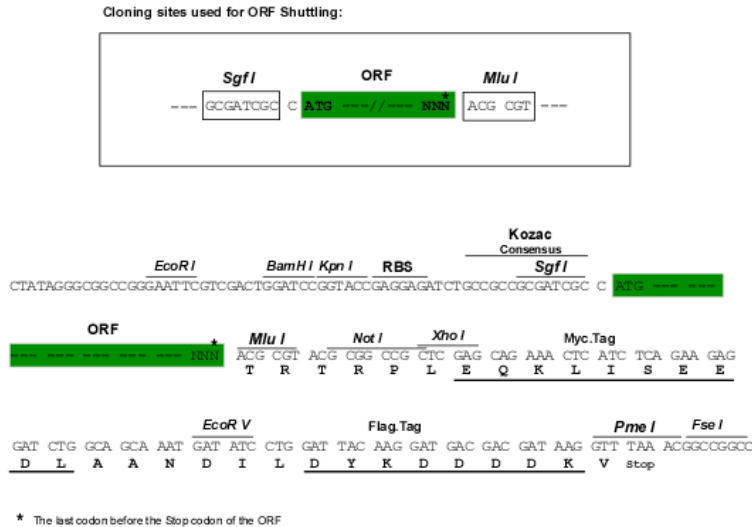
**Protein Sequence:** >RR208506 representing NM\_001047978  
Red=Cloning site Green=Tags(s)

MPYVDIIGILNGCQADWGFVPPVLLQDSAVEFVPAMTRDTKSNWKTGASVQSQPHPDNYGDVILDDHGPO  
 TRMESTATESQVPSRLCVWRPPCSVNVPLVRKWWIRVMMSYLSPRDTVCRYSSSERCWKQQAQTGPFSC  
 RERSCWAGGDALRATGTQTRQTYFVKQLPTSLSLIWQVDMTALGKSKEIEISLGLCCVEVCVDLLCRRA  
 AQTGCGNSATEPGDGRGTEKLLVLEESHQNLSSAFGWKLKMAQWLRF SRDVEFEAWGLTVVYEQNP  
 ATLGNDPVDVTSDDKPLKNQTKTKNPKNKTKKRTRKKKEEEEEEEEEEEEEEDSSSTGEQRGKDTQ  
 SALIESV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_001047978

**ORF Size:** 1071 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\\_001047978.1](#), [NP\\_001041443.1](#)

**RefSeq Size:** 1074 bp

**RefSeq ORF:** 1074 bp

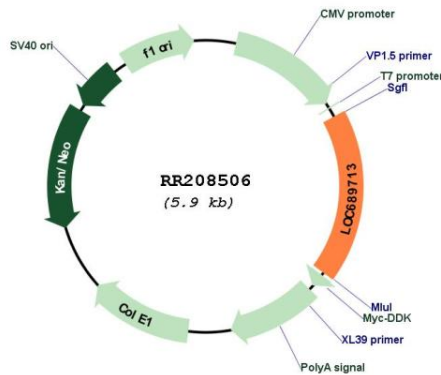
**Locus ID:** 689713

**Cytogenetics:** 16q12.5

**MW:** 40.2 kDa

**Gene Summary:** DISCONTINUED: This record has been withdrawn by NCBI staff.

**Product images:**



Circular map for RR208506