

## Product datasheet for **RR205076**

### Extl1 (NM\_001107985) Rat Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Extl1 (NM_001107985) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Extl1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

ORF Nucleotide  
Sequence:

>RR205076 representing NM\_001107985  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGCTGTGGAGAAGAAAGTCCTTCTGGCTGGCATTGTGTCAGCCTTCTGGCTCCTCCTCATCCTCCTAGGAG  
TCTTCCCCTTCGCCTGGCAGTGTCTCCCCTCCTTCCAGGGCGCTCCAAGGTTGGCCCCGCTGGCT  
GGATGCTACCTTCTACAGAGTTTCTCCAGCCTGAGACGAACCCGAAGAAGATGTTCAACAGCTCCCT  
CGAGTCTCCCGGGGAGCAGCTGCACCTGGGGAGCCTGCTTTGACACCTCCAAATGTAGGGGAAAGTCC  
TCAAGATCTTTGTACACTCCGCGCTGGTCCGACCACTGAGGCTCAGCGCAGGATCCTGGACTCCTTGA  
GGGCTCCCCTACTATGCACTCAGCCAGCGGAGGCTTGCCTTCTCCTTTTCTCCCAGCCAGGACCGT  
AGAGGAGCATGCGGGCCCTGCCTCCGAACGAAACGGAGGCCGAACCATCTGGTGTCTAGTCTCTACC  
CAGCCCCCTTGACCAGGCTGGGACAGGCGATGGTAGCTGAGGCTAGCCCCCTCCTGGACATCTCCGACC  
AGGCTTCGATGTAGCGCTCCCGTATCTCCCTGAAGCTCACCCATTGAAAGCGGGGCCCTGGCAGCCTG  
CAGCGGCACGGTCCCAGCCTGGGGCCACCTTAGTGGCGGTAGCAGAGGAGAGGGGAGGTTGGCGTATTA  
CAACCACCACGCCTCAGCCTGCCCTGGGACAGGAACGTGAACAAGATCCTGGACCCCAACAGACCTA  
CCCAGGAGAGATACTTCCAATGTACCTTCTGCCTCATTCTGGCCACCGATCTGCTACCTCCTGCTTT  
CTCCAAGCCCTCAGGCTGGCTGCATCCCTGTGCTCCTCAGCCCCGCTGGGAGCTGCCTTTCTGAA  
TCATCGACTGGACCAAGCAGCCATCGTTGCGGATGAGAGGCTCCCACTGCAGGTTCTGGCTGCGCTCCG  
TGAAATGCTCCCTTCGCGGGTTCTCGCCCTGCGCCAGCAGACCCAGTTTCTGTGGACCGTTACTTCTCC  
TCAGTGGAAAAAGTCGTTACATACCACCTAGAGATCATTACAGACCGGATCTGGGGTGCATCAGCTCACC  
CCTCACTGATGTGGAATAGCCCCCGGGGCACTCCTGGCTCTGCCACTTTTTCCACGAGCCTCAAGA  
CTTCCCCTTTTATCATCTGCAACTGGGCTCCAGCCCTGGGAGCAGTTTCAGCGCCGTGATCTGGGTGGGC  
GTCTCCGAAGAGTCCCAGCCGAAGCTCATCCAGGAAGTGGCAGGTTCCCAGCAGTGTGCCAGATCCTGA  
TCCTCTGGAACAGTGAGAAGCCACCCCTGATAGGTGGCCCAAGACAGCAGTGCCCTAACAGTCATTGA  
GGGACACAGGAAGGTCAGCGACCGTTTCTTCTGTACAGCAACATCAGCACCAATGTCATCCTCAGCCTT  
GATGCTCAGAGCACTTTTCTACCAGTGGGTGGACTTTGCCTTTGTGGTGTGCCAGAGTTTTCTGAGC  
GGATGGTGGGCTTTGTGACGTGGAGCCACTTCTGGGATGAGGCCCGCAGGGCTGGGGCTACAGTGTGA  
GATGGCCAATGAATTCTCCATGGTCTGACCACCGCGGCTTTCTACCACAGATACTACCACCCCTCTC  
ACTCACTCCCTGCCTAAAGCCCTGAGGAGCATAGCCGATGAGACTCCCACCTGTGTGACATCCTGATGA  
ACTTCTGGTAGCAACCGTCACCAAACTGCCCCCTATCAAGGTGCCTTACAGCAGGCAGCACCAGGAGGC  
TGACCAATGGCTTCTGAGGGTCCAAGACCCGTGCCGGAGCCTCAGGCCCTGGATCAGGACTGCATCAAC  
CGTTTAGCAGCAGGGCTGGGCCACATGCCTCTGGTTTCTCTCGAGTGCCTCTGGATCCGGTGTCTTCA  
AGGACCCGGTATCAGTGAACGCAAGAAGTATCGCAGTTAGAGAAACCC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR205076 representing NM\_001107985  
 Red=Cloning site Green=Tags(s)

MLWRRKSFWLALSAFWLLLILLGVFPLRLAVSPRPLPGRSQGWPRWLDATFLQSF SQPETNPEEDVQQLP  
 RVSRRGSSCTWACFDTSKCRGKVLKIFVHSAAGPTTEAQRRIILDSLEGSRYALSPAACLFLFLPSQDR  
 RGACGPLPPNWNNGRNHLVLSLYPAPCTRLGQAMVAEASPLDIFRPGFDVALPYLPEAHPLKGGAPGSL  
 QRHGPQPGATLVAVAEERGRWRIITTHASACPWDRNCEQDPGPQQTYPGEILPNVTFCLIPGHRSAATSCF  
 LQALQAGCIPVLLSPRWELPFSEVIDWTKAAIVADERLPLQVLAALREMLPSRVLALRQQTQFLWTAYFS  
 SVEKVVHTTLEIIQDRIWGASAHPSLMWNSPGALLALPTFSTSLQDFPFYHLQLGSSPGSSFSAVIWWG  
 VSEESPPKLIQEIVAGSRHCAQILILWNEKPPPDRWPKTAVPLTVIEGHRKVSDFRFLYSNISTNVILSL  
 DAQSTLSTSEVDFAFVWVQSFPERMVGFTWVSHFWDEARQGWGYSAMANEFSMVLTTAAFYHRYHTLFL  
 THSLPKALRSIADETPTCDILMNFLVATVTKLPPIKVPYSRQHQEAAPMASEGPRPVPEPQALDQDCIN  
 RLAAGLGHMPLVSSRVRLDPVLFKDPVSVQRKKYRSLEKP

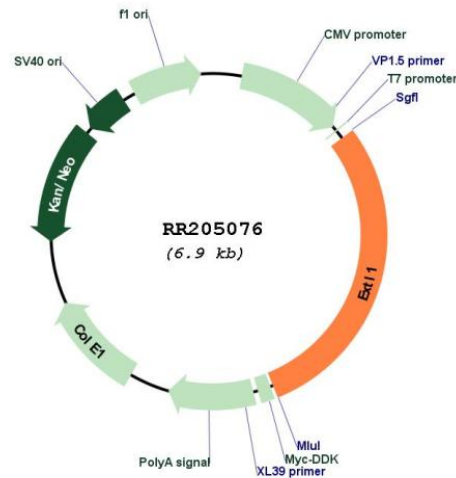
TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



**Plasmid Map:**


**ACCN:** NM\_001107985

**ORF Size:** 2010 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\_001107985.1, NP\_001101455.1  
RefSeq Size: 3364 bp  
RefSeq ORF: 2013 bp  
Locus ID: 313610  
Cytogenetics: 5q36  
MW: 74.7 kDa