

## Product datasheet for **VC101187**

### RL1 (NC\_006273) Virus Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	RL1 (NC_006273) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	RL1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>The Viral ORF clone VC101187 represents NCBI reference of YP_081455 with codon optimized for human cell expression Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGCCAGCCACTGACACTAACTCCACCCACACAACCCCTGCACCCTGAAGACCAGCATACTTTGCCAC  
TCCACCATAGCACCACCCAGCCACATGTACAAACCTCAGATAAACACGCTGATAAGCAGCATCGGACTCA  
GATGGAGCTCGACGCCGCTGACTACGCGCGTGTGCTCAGGCGAGGCAACATCTCTATGGCCAAACCCG  
CCTCAGTTGCATGCATACCCAAACGAAATCCACAAGAGAGCGCCCACTTCGCACCGAAAACCAACACC  
AGCTGACAAACTTGCTTCATAACATCGGGGAAGGGCTGCCCTGGTTATCCCGTACCCGAGCCGAGAT  
CCGGAGGGGTGGCGGTGATTGGGCCGATTCCGCTAGCGACTTTGACGCCGACTGCTGGTGCATGTGGGGC  
CGTTTTGGAACGATGGGACGACAACCCGTTGTTACCCTCCTGCTGGCCAGGCAGAGAGACGGCCTGGCTG  
ACTGGAACGTTGTTTCGATGCCGGGAACAGGATTCGCGCCACGACAGCGAGGATGGAGTATCAGTGTG  
GCGCCAGCACTTGGTGTTCGCTTGGAGGGCATGGTAGGAGGTACAGCTCGAGCGCCGCTGCGCCGC  
GAGGCTCAAGCCCGGGTCTGCTCCCCGCATAAGAATCAGCCAATCAGCACGTCCCAAGGCCAAAC  
CACCACAGCCACTACAAGCACAGCCTCACACCCCATGCCACAGCCAGGCTGATCATACTCTTCCC  
TGTGCCGAGCACACCTTCAGTACCGTGCACAACCCAGGAATTACGCCGTGCAGTTGCATGCTGAAACA  
ACAAGGACATGGCGCTGGCCAGACGGGTGAGCGAGGCCCTGGATGCCCGCTGAGACCTTACCTGCC  
CGAAGGATAAACGGCCCTGG

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >VC101187 representing YP\_081455  
Red=Cloning sites Green=Tags

MPATDTNSTHTTPLHPEDQHTLPLHHSTQPHVQTSKDHADKQHRTQMELDAADYAACAQARQHL YGQTQ  
 PQLHAYPNANPQESAHRFTENQHQLTNLLHNIGEGAALGYVPRAEIRRGGDWADSASDFDADCWCMWG  
 RFGTMGRQPVVTL LLARQRDGLADWNVVRGRGTGFRAHDS EDGVSVWRQHLVFL LGGHGRRVQLERPSAG  
 EAQARGLLPRIRITPISTSPRPKPPQPTTSTASHPHATARP DHTLFPVPSTPSATVHNPRNYAVQLHAET  
 TRTRWRARRGERGAWMPAETFTCPKDKRPW

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



\* The last codon before the Stop codon of the ORF

**ACCN:** NC\_006273

**ORF Size:** 930 bp

**OTI Disclaimer:** The molecular sequence of this clone can be viewed by clicking the "ORF Nucleotide Sequence" link above. This sequence represents the NCBI reference after codon optimization for human cell expression, and retaining the same decoded protein sequence. The stop codon in the native sequence was removed to create the in-frame c-terminal fusion with a Myc-DDK tag.

**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: [NC\\_006273.2](#), [YP\\_081455](#)  
RefSeq ORF: 930 bp  
Locus ID: 3077430  
MW: 34.7 kDa