

## Product datasheet for RC206167

### C2orf69 (NM\_153689) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	C2orf69 (NM_153689) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	C2orf69
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC206167 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGACTCGTCATCCTGAGAATTATCAATGGGAAAAGTGGAGTCTAGAAAATGTTGCTACCATTTTAGCCC  
ACCGGTTCCCAATAGTTATATTTGGGTGATAAAATGTTCCCGAATGCATTTGCACAAATTCAGCTGCTA  
TGACAATTTTGTGAAAAGTAACATGTTTGGTGCCCGAAGACAATACTGACTTTGGAGCTTTTAAGCAC  
CTTTATATGTTATTAGTTAATGCTTTTAATTTAAGTCAGAATAGTTTATCAAAGAAAAGTTGAATGTTT  
GGAATAAGGACTCCATAGCATCTAACTGTAGATCCAGTCTTCTCATACTACGAATGGTTGCCAGGGAGA  
AAAAGTGAGGACCTGTGAAAATCTGATGAGTCTGCCATGAGTTTTTATCCACCATCACTAAATGACGCA  
TCTTTTACTTTGATTGGATTGAGTAAAGGTTGTGTTTGAATCAGTTGCTTTTTGAATTGAAAGAAG  
CCAAGAAAGACAAGAACATAGATGCTTTTATCAAAGCATAAGAACAATGTATTGGCTGGATGGTGGTCA  
TTCTGGAGGAAGCAATACTTGGGTTACTTATCCAGAAGTCTTGAAGAATTTGCACAAACAGGAATTATC  
GTTCACACTCATGTAACACCTTACCAAGTACGTGATCCAATGAGATCTTGGATTGGAAAGGAGCACAAGA  
AATTTGTTGAGATACTTGGGGTCTTGGTATGCAGGTGACTAGCCAAATTCATTTTACAAAGGAAGCTCC  
TTCCATAGAGAATCACTTCAGGGTTCATGAAGTATTT

**ACGCGT**ACGCGGCCGCTCGAGCAGAAAAGTCTCAGAAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >RC206167 protein sequence  
Red=Cloning site Green=Tags(s)

MTRHPENYQWENWLENVATILAHFRPNSYIWVIKCSRMHLHKFSCYDNFVKS NMF GAPEHNTDFGAFKH  
 LYMLLVNAFNLSQNSLSKKSLNVWNKDSIASNCRSSPSHTTNGCQGEKVRTCEKSDSAMSFYPPSLNDA  
 SFTLIGFSKGCVVLNQLLFELKEAKKDNIDAFIKSIRTMWYLDGGHSGGSNTWVTYPEVLKEFAQTGII  
 VHTHVTPYQVRDPMRSWIGKEHKKFVQILGDLGMQVTSQIHFTKEAPSIENHFRVHEVF

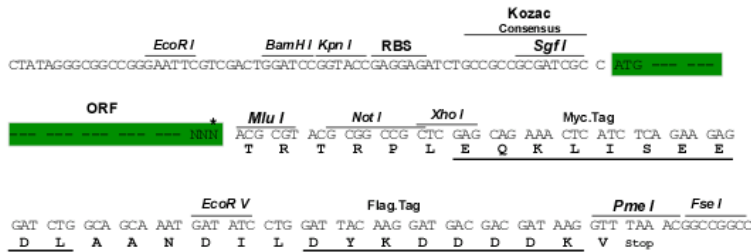
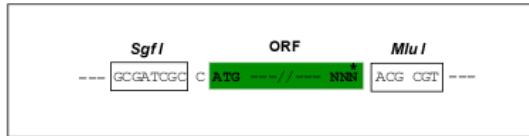
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:** [https://cdn.origene.com/chromatograms/mk6317\\_a10.zip](https://cdn.origene.com/chromatograms/mk6317_a10.zip)

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



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

**ACCN:** NM\_153689

**ORF Size:** 807 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.

**Note:** Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

**RefSeq:** [NM\\_153689.4](#)

**RefSeq Size:** 3742 bp

**RefSeq ORF:** 1158 bp

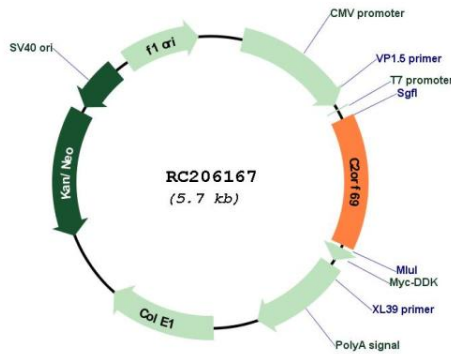
**Locus ID:** 205327

**UniProt ID:** [Q8N8R5](#)

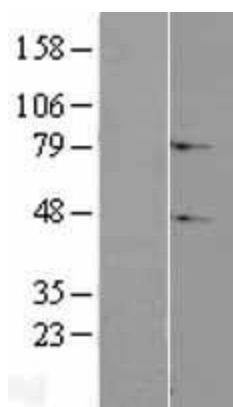
**Cytogenetics:** 2q33.1

**MW:** 30.9 kDa

**Product images:**



Circular map for RC206167



Western blot validation of overexpression lysate (Cat# [LY406931]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC206167 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).