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# Product datasheet for RC205729

## C7orf33 (NM_145304) Human Tagged ORF Clone

## Product data:

| | |
|---|---|
| **Product Type:** | Expression Plasmids |
| **Product Name:** | C7orf33 (NM_145304) Human Tagged ORF Clone |
| **Tag:** | Myc-DDK |
| **Symbol:** | C7orf33 |
| **Mammalian Cell Selection:** | Neomycin |
| **Vector:** | pCMV6-Entry (PS100001) |
| **E. coli Selection:** | Kanamycin (25 ug/mL) |

**ORF Nucleotide Sequence:**

```
>RC205729 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGCAAGTGGAAGTTCAAAGCCTCAGCCTTGAAGAGTGTCCCTGGAGACTTCCAGGCCCCCAATGTGAAT
GTGAAGCCCTCCTGCCCAGTGGGGCAAGGCGCCGGATTGACCTTCGCCTGAGTGGGAGGGCAGTCGCTGT
TTGGGTCCACGTTAGGGGCGGTCCAGGTCAATTTAACTTGTCATATGCCACGGGAAGACATAAGAAGCCA
AACCCACACCAAAACATGAACCGGGGGATGGAATTTATTGCTCCTGTATCAGCTCCCACCAAATCTGGTG
CCCCGTGGCATTTTCTTTCTCAAGGTCCCACGGATGCCCAGAGAGCAGTCAGAATCAGGCCAGGCACCAG
GATGGGCTTGTCCTCAGATCCAGTTGTCGGCACCTTGTCTTCCAGTTACCTAGATCTGCTAACTCTCTCT
TACAAGCCTGGGAGGACAGTGACAAGTTCATACCTAAACGTACGTGGGCATGAAGTAAGAAAGCTCCAGA
ATTCTGTTGAGGCCACAAGGATTTCCAGAACTGACAGCAGT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA
```

**Protein Sequence:**

```
>RC205729 protein sequence
Red=Cloning site Green=Tags(s)

MQVEVQSLSLEECPWRLPGPQCECEALLPSGARRRIDLRLSGRAVAVWVHVRGGPGQFNLSYATGRHKKP
NPHQNMNRGMEFIAPVSAPTKSGAPWHFLSQGPTDAQRAVRIRPGTRMGLSSDPVVGTLSSSYLDLLTLS
YKPGRTVTSSYLNVRGHEVRKLQNSVEATRISRTDSS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV
```

| | |
|---|---|
| **Chromatograms:** | https://cdn.origene.com/chromatograms/mk6437_a05.zip |
| **Restriction Sites:** | SgfI-MluI |

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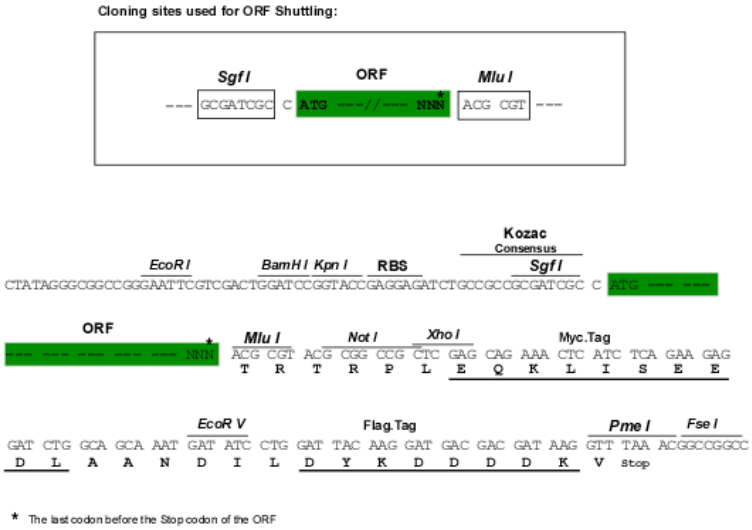
**Cloning Scheme:**




**ACCN:** NM_145304

**ORF Size:** 531 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_145304.4

**RefSeq Size:** 1374 bp

**RefSeq ORF:** 534 bp

**Locus ID:** 202865

**UniProt ID:** Q8WU49

**Cytogenetics:** 7q36.1

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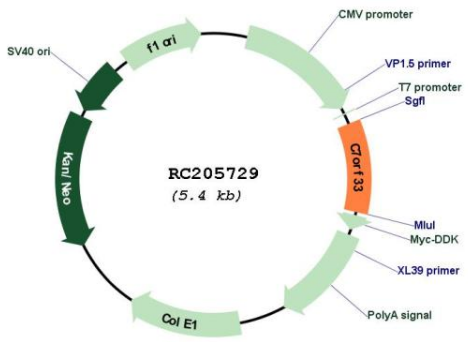
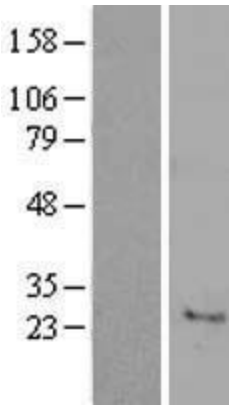
**MW:** 19.5 kDa

## Product images:




Circular map for RC205729




Western blot validation of overexpression lysate (Cat# [LY407953]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from un-transfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC205729 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).

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