

## Product datasheet for **RC208973**

### **C3orf33 (NM\_173657) Human Tagged ORF Clone**

#### Product data:

Product Type:	Expression Plasmids
Product Name:	C3orf33 (NM_173657) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	C3orf33
Synonyms:	AC3-33
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC208973 representing NM_173657 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGCCATAGCTGGAATAATGTTACTTTTGAGAAGCATTGACTGACATCAAAATTTACAAGCTCTTCGG  
ATATTCCAGTAGAATTTATAAGAAGAAATGTTAACTACGTGGACGATTACGCCGAATAACTGAGAATGG  
TTTAGAAATTGAACATACCTATTACTTTACCTATTATAGCTTCATTGAGAAAAGGCCACGTGGTGCT  
TTGCTGGTTAAGTTGGCTGGAGTAGAACTCGCTGAACTGGGAAGGCATGGTTACAAAAAGAGCTAAAAC  
CTTCCAATTACTATGGTTCCAATTCTTGAAAGGAGAATTCAGCACTCTTTTGCTATCTTCTGGTGAG  
TAAGGGTGGATATTCAGCGTGAATCTGAATGAAGAAATTTGAGAAGAGCCTTGGCAAACTGTTCTT  
GTTAAAGGGCTTAAATATGATTCTAAAATCTACTGGACAGTTCACAGAACTTACTTAAAGCTGAATTAA  
CAGCCTTAAAAAAGGAGAAGGAATATGGAAGGAAGACTCTGAAAAAGAAAGTTACTTAGAAAAATCAA  
AGATTCCTGGAGAGAAATATGGAAGGACAGTTTTTTAAAAACAACAGGATCAGATTTTCAGCTTGAAA  
AAAGAAAGTTATTATGAAAACTTAAAGGACTTATGAAATATGGAAAGACAACATGAACAACCTGCTCT  
TAATACTGAAGTTCAGAGAACTTATAAGTCGCATAAACTTTCGTAGAAAAGGG

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >RC208973 representing NM\_173657  
Red=Cloning site Green=Tags(s)

MAIAGIMLLLSIRLTSKFTSSSDIPVEFIRRNVKLRGRLRRITENGLIEHIPITLPIIASLRKEPRGA  
 LLVKLAGVELAETGKAWLQKELKPSQLLWFQLLGKENSALFCYLLVSKGGYFSVNLNEEILRRGLGKTVL  
 VKGLKYDSKIYWTVHRNLLKAELTALKKGEGIWKEDSEKESYLEKFKDSWREIWKKDSFLKTTGSDFSLK  
 KESYYEKLKRTYEIWKDNMNNCSLILKFRELISRINFRRKG

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



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

**ACCN:** NM\_173657

**ORF Size:** 753 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\\_173657.3](#)

**RefSeq Size:** 1931 bp

**RefSeq ORF:** 756 bp

**Locus ID:** 285315

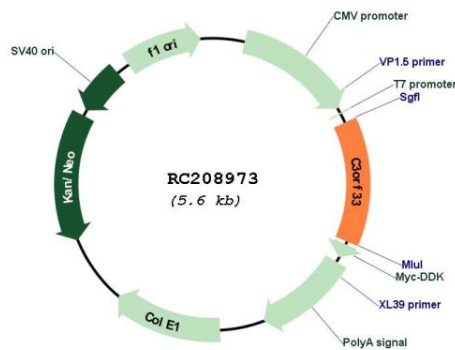
**UniProt ID:** [Q6P1S2](#)

**Cytogenetics:** 3q25.31

**MW:** 29.1 kDa

**Gene Summary:** Isoform 2: Secreted protein may play a role in transcription regulation via the MAPK3/MAPK1 pathway through an unidentified receptor on the plasma membrane.[UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for RC208973