

## Product datasheet for RC218721

### C2orf73 (NM\_001100396) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	C2orf73 (NM_001100396) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	C2orf73
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC218721 representing NM_001100396 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGAGGAAAAGGAAGATAAGCATCAACAGCATAAAATAGAGGATGCTGCTATAACATATGTAAGTGAAA  
ATGAAGAAATTAACACGAAGAAAAACCTGAAAAAGCATACATCATTCAAATCACATGTTGGAAGAGG  
ACGTATATATTGCTAAATTCATTAACACAAATGCAAGAACATACAATGAACCATTTCCCTACATAGAT  
CCAAAAAAGGGCCAGAAATACAGGGTGACTGGTGGTCACATGGTAAAGCACTGGAACCTGTCTTCCTAC  
CACCTTACGACTCTAAGAGCACCCAGAGGAGTGACTTCCAAAAACCATCGTGCCACTGGTTTTGCCAGT  
CAAACACAGCAAGATGCAAAAGCCTTCTTGTGGAATAGTACCACTTGCCTCTCCTGGTACATCAGCAGAA  
CTTCAAAACAATTTTATAGAATACATCTCTTTTATACATCAATATGATGCCAGAAAACTCCGAATGAGC  
CTCTCCAGGGAAAGAGACACGGAGCTTTTGTACAGAGAGAGATAAAACCAGGCAGTAGGCCAACAGTTCC  
TAAAGGAGCAGAGGTATTACTGAACACTCCAGGGTCACGTTTCATCAGAACAGTCCAAAAAACAGAGAAA  
GGAAACTCAGCGGAAAGCAGAATGATCTCACCAGGTCTCTGCCAACAAAATTCAGGAGCTGTTAGAGC  
CTAAAACCTCACTTATCAGAAACAGACGTCAGACAGGCAGCCAAGGCATGCCCCAGCACTCCTGAGAGCAG  
AGAAAAGACCTCAGGCGCCACTCAAACACTGTAGGAGATGCTCTTTTCACTAGGCACAAGCCTTTAAAT  
CCACCAATTAATAATCAGAA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >RC218721 representing NM\_001100396  
Red=Cloning site Green=Tags(s)

MEEKEDKHQQHKIEDAAITYVSENEEIKHEEKPGKSIHHSKSHVGRGRIYYAKFINTNARTYNEPFPYID  
 PKKGPEIQGDWWSHGKALEPVFLPPYDSKSTQRSDFQKPSCLVLPVKHSMQKPSGIVPLASPGTSAE  
 LQNNFIEYISFIHQYDARKTPNEPLQGRHGAFVQREIKPGSRPTVPKGAEVLLNTPGSRSEQSKKTEK  
 GNSAESRMI SPGLCQQNSQELLEPKTHLSETDVRQAAKACPSTPESREKTSGATQTTVGDALFTRHKPLN  
 PPIKKSE

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:** [https://cdn.origene.com/chromatograms/mk8020\\_h05.zip](https://cdn.origene.com/chromatograms/mk8020_h05.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\_001100396

**ORF Size:** 861 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\\_001100396.2](#)

**RefSeq Size:** 1921 bp

**RefSeq ORF:** 864 bp

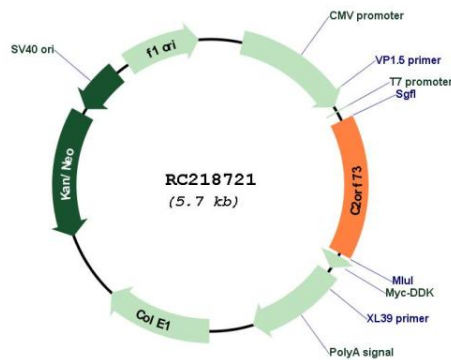
**Locus ID:** 129852

**UniProt ID:** [Q8N5S3](#)

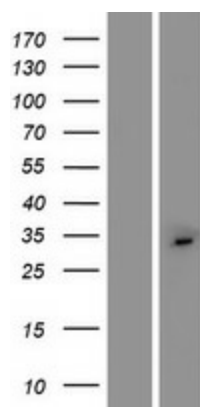
**Cytogenetics:** 2p16.2

**MW:** 32 kDa

**Product images:**



Circular map for RC218721



Western blot validation of overexpression lysate (Cat# [LY420246]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC218721 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).