

## Product datasheet for **RC227004**

### **C4orf48 (NM\_001141936) Human Tagged ORF Clone**

#### Product data:

**Product Type:** Expression Plasmids  
**Tag:** Myc-DDK  
**Symbol:** C4orf48  
**Synonyms:** CHR4\_55  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)

**ORF Nucleotide Sequence:** >RC227004 representing NM\_001141936  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTGAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGCCCCCGCCCGCGTCCCGGTCCCCGATGTACCGCCGCCGCGCTGCTGCTGCTGCTGCTGCTGA  
GTCTGGCGCTGCTGGCGCCCCGGGCCCGCGCCGAGCCCGCCGGGAGTGCCGTCCCCGCGCAGAGCCGCC  
ATGCGTGGACTGCCACGCCTTCGAGTTCATGCAGCGCGCCCTGCAGGACCTGCGGAAGACAGCCTGCAGC  
CTGGACGCGCGGACGAGACCCCTACTGCTGCAGGCAGAGCGCCGTGCCCTGTGTGCTGCTGGCCAGCG  
GGCAC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >RC227004 representing NM\_001141936  
Red=Cloning site Green=Tags(s)

MAPPPACRSPMSPPPPLLLLLLLSLALLGARARAEPAGSAVPAQSRPCVDCHAFEFMQRALQDLRKATCS  
LDARTETLLLQAERRALCACWPAGH

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:** [https://cdn.origene.com/chromatograms/mk8032\\_f06.zip](https://cdn.origene.com/chromatograms/mk8032_f06.zip)

**Restriction Sites:** SgfI-MluI



## Cloning Scheme:



ACCN: NM\_001141936

ORF Size: 285 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:**

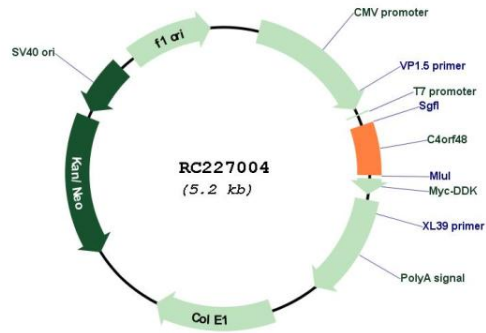
1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store 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.

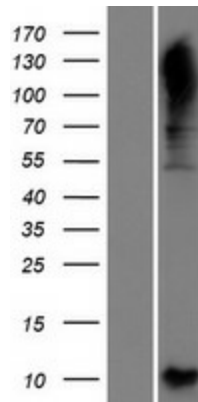
**RefSeq:** [NM\\_001141936.2](#)

RefSeq ORF: 288 bp  
Locus ID: 401115  
Cytogenetics: 4p16.3  
MW: 10 kDa

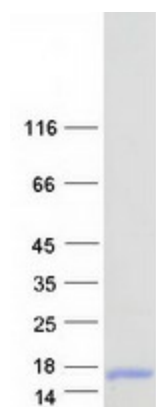
**Product images:**



Circular map for RC227004



Western blot validation of overexpression lysate (Cat# [LY427982]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from un-transfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC227004 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified C4orf48 protein (Cat# [TP327004]). The protein was produced from HEK293T cells transfected with C4orf48 cDNA clone (Cat# RC227004) using MegaTran 2.0 (Cat# [TT210002]).