

## Product datasheet for **RC206144**

### **C14orf48 (LINC00521) (NM\_152777) Human Tagged ORF Clone**

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** C14orf48 (LINC00521) (NM\_152777) Human Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** C14orf48  
**Synonyms:** MGC33356, c14\_5713  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**ORF Nucleotide Sequence:** >RC206144 representing NM\_152777  
**Red=Cloning site Blue=ORF Green=Tags(s)**

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGACACAGGCCAGAGAGCTGACCCAAGCAATCCTGGTGACAAGGAAGGGGACCTTCAAGGGCTGTGGC  
AGGAACTCTACCAGCTCCAGGCTAAGCAGAAGAAGCTCAAGAGAGAAGTCGAGAAGCACAAGCTTTTTGA  
AGACTATCTGATTAAGGTCTTGAGAAAATCCCCGAGGGCTGCACGGGATGGGAGGAGCCGGAGGAGGTG  
CTGGTGGAGGCCACGGTGAAGCACTACGGGAAGCTCTTACAGCCAGCCAGGACACGCAGAAGCGCCTCG  
AGGCCTTCTGCCAGATGATCCAGGCTGTCCACCGAGCCTGGAGTCTCTGGAGGAGACCACAGGGCTCT  
CATAGCCTCAAGATCCGGCTGTGTGACAGTGCAGAAGAAGTGTACCGCAAGCAGGAGCAGTGGTGGCAGC

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >RC206144 representing NM\_152777  
**Red=Cloning site Green=Tags(s)**  
MDTGQRADPSNPGDKEGDLQGLWQELYQLQAKQKCLKREVEKHKLFEDYLIKVLEKIPEGCTGWEEPEEV  
LVEATVKHYGKLFASQDTQKRLEAFCQMIQAVHRSLESLEEDHRALIASRSGVSCRRSATASRSSGGS  
**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:** [https://cdn.origene.com/chromatograms/mk6319\\_h06.zip](https://cdn.origene.com/chromatograms/mk6319_h06.zip)

**Restriction Sites:** SgfI-MluI



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**Cloning Scheme:**


**ACCN:** NM\_152777

**ORF Size:** 420 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\\_152777.2](#), [NP\\_689990.1](#)

**RefSeq Size:** 1290 bp

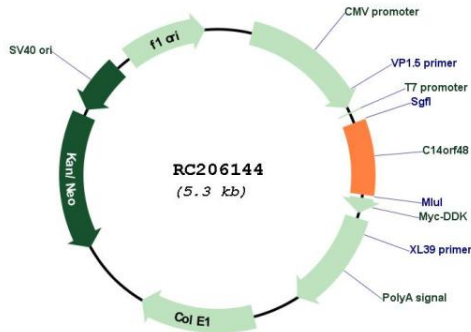
**RefSeq ORF:** 422 bp

**Locus ID:** 256369

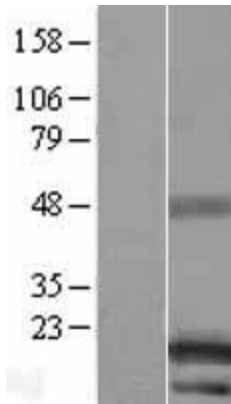
**Cytogenetics:** 14q32.12

MW: 15.6 kDa

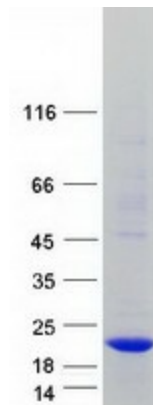
**Product images:**



Circular map for RC206144



Western blot validation of overexpression lysate (Cat# [LY407270]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC206144 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified C14orf48 protein (Cat# [TP306144]). The protein was produced from HEK293T cells transfected with C14orf48 cDNA clone (Cat# RC206144) using MegaTran 2.0 (Cat# [TT210002]).