

## Product datasheet for **RC211245**

### **KIAA1958 (NM\_133465) Human Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	KIAA1958 (NM_133465) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	KIAA1958
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>RC211245 ORF sequence  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTGCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGAGGATTGTCTTCATACCTCATCTGAGAATCTGTCCAAATTGGTCAGCTGGGCCATAGCCATGGGA  
 CTATTTGCAGCCTCATTCCAAACCTGAAACACTTGCTTTCTGAAGTTCCCATGGGAACCTGACAGCAAT  
 GTGGGGCTGTAGTGCTGGCCATGCTTATCACTGGCCACTAACAGCTACTTGCAGAGCTGGTCCCAAGAG  
 AGGGTCTGTTCCAGGATAACAGAAGTTTTAACTCTGATAGTCCCAGTATAATCGGGTGCCCTCTGAGA  
 CACAGACTAGCCCTGTTGAAAGTACCCTGGGAGACCAGTAAAGCAAAGCTAGACTGTAACCGGACCAG  
 AGACTCTGTGACTTCTCCTACTGTAGTGAGCCCTCTGAACTGGATGAACTGTTGAAGAATATGAAGAT  
 GAGAACACCTGTTTGACATGGTTGTGAGTCTTCTGTTACAGATGAGGATAGTGACTTTGAACCCAAA  
 CCCAAAGGCCCAAAGCATTGCTCGAAAAGACCTGGGGTAGTCCCATCTTCCCTCCATTCAAGCTCCCA  
 GACGCAGATGGTTGACGAATGCAGCAATGATGTCATCATCAAGAAAATCAAACAAGAAATCCCCGAAGAT  
 TATTACATTGTGGCAAATGCAGAACTGACAGGAGGAGTAGATGGACCAGCCCTGTCTTGACACAGATGG  
 CAAAACCAAGCCTCAGACTCACGCTGGTCCCTCTGTGTAGGGTCTGCTAAACTGATTCCCCATGTCCAC  
 ATCTGCCATCAGCACGGAGCTAGACCCACACGGTATGTCTGCATCCCCCTCTGTGATCTCCAGACCAATT  
 GTCCAGAAGACTGCTAGGGTATCTCTGGCTTACCAAACAGAGGACCCCTGGTACACATGGCACCAACC  
 AACAGGTGGCCATGCAATGCCTGTGAGCACATCCCATCTAACAAACAGATCAGTATCCCTTGTCTGC  
 CCTGCAGCTGCCTGGACAGGATGAGCAAGTGCCTCTGAAGAGTTCCTGTCCCATCTGCCAGCCAGGTC  
 TCCTCCTGTGAGGTAGCCCTTTCTCCCTCAGTTAACACAGAGCCAGAAGTGAGCTCCAGTCAGCAGCAGC  
 CCCAGTCGCTCCAGCCATAACCACTGAGGCCACAGCACAGTGCATACCAGCTTATTCACATAGCTCAA  
 CAAATTTCTGTATTTAATATTAATGATGACTTGAATGATCTGTGTACCAGTGCAGTAAGCCCAAATACT  
 ACCAAAGCCACGCGGTACGCCTTGAATGTGTGGGTTATTGGTGCATGACCAACGGGCTCAAAGACCACA  
 CAGACATACCAAGATCCCTGCAGTGAAGTTGAACGAGCTGCTCGAGAATTTTTATGTCACCGTCAAGAA  
 GAGCGACGGCTCGGACTTCTGGCCACCTCGTCCATGCTATTGCGCCGAGGCTGGACCGCATCCTGAAG  
 AATGCAGGTGTCGGCTTTTCCATCACCAGCAGCACCTTCAGTCTCCACCAAGAAACTCAAGGAGAAGC  
 TGTGGGTGCTGAGTAAGGCAGGCATGTCGGGCGCGGTTCTCGCAACATCGTCTACTTCTCCCTTTCTGA  
 CGAGGAGGAGATGTGGCAGGCAGGGTGTCTGGGGATGACAGCCCTATCACTCTCCTGTCCACTGTGGTC  
 AAGTACAACAGCCAGTACCTGAACATGCGGACGCTGCAGGAGCATGCGGATCTGATGTATGGTGACATCG  
 AGCTGCTCAAAGACCCCAAAACAGCCCTACTTTGCCCGGACGGACAGGCTCAAGCGGGAGAGTCGGAG  
 CGGCTCCACCAGAGTGTGTACGGGAAGATCTACCATGAGCATTCCCGGGACACAAACAGTGCCCTTAC  
 TGCTCTCTACAAAGTACATGTACATCCACCGGCCCCACCCAAATGGAGGCCAAGTCCCCCTTCTACC  
 TGACTGCCAGGAAGGAGGCCACAGACATGGGCAGCGTGTGGTATGAGGAGCAGAGGATGGGGCTGCGCTC  
 TCTTCGGGGAATTGTCCCAAACCTAGCCAAGAAGGTCAAGCTGGAAAACCTGTGAGAACTTACCTTTGTC  
 TCGTTCACTCAGGTCTCCCGGAGGCTTGGCTCCCACAGCTGCTGCCAG

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >RC211245 protein sequence  
Red=Cloning site Green=Tags(s)

```
MEDCLHTSSENLSKLVSWAHSHGTICSLIPNLKHLLESGSHGNLTAMWGCSAGHAYHWPLTATCRAGSQE
RVCFQDNRSFNSDPSPIIGVPSSETQTSPEYRYPGRPVKAKLDCNRTRDSCDFSYCSEPSSELDVVEEYED
ENTLDFMVCESVTDSDSDFEPQTRPQSIARKRPGVVPSSLHSSSQTMVDECSNDVIKKIKQEIPEP
YYIVANAELTGGVDGPALSLTQMAKPKPQTHAGPSCVGSAKLIPHVTSIAISTELDPHGMSASPSVISRPI
VQKTARVSLASPNRPGPGTHGTNQQVAMQMPVSTSHPNKQISIPLSALQLPGQDEQVASEEFLSHLPSQV
SSCEVALSPSVNTEPEVSSSQQPPVAPAITTEATAQCIPAYSTKLNKFPVFNINDDLNDLCTSAVSPNT
TKATRYALNVWRYWCMTNGLKDHTDITKIPAVKLNELLENFYVTYKKSDFLATSLSHAIRRLDRILK
NAGVGFSITSSTFSSSTKLLKEKLWVLSKAGMSGARSNIYVYFSLSDEEEMWQAGCLGDDSPITLLSTVV
KYNSQYLNMRTLQEHADLMYGDIELLKDPQNPYFARTDSVKRESRSGSTRVCHGKIYHEHSRGHKQCPY
CLLYKMYIHRPPTQMEAKSPFYLTARKEATDMGSVWYEEQRMGLRSLRGI V PNLAKKVKLENCENFTFV
SFTQVSRRLGSHSCCQ
```

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:** [https://cdn.origene.com/chromatograms/mk6373\\_e11.zip](https://cdn.origene.com/chromatograms/mk6373_e11.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\_133465

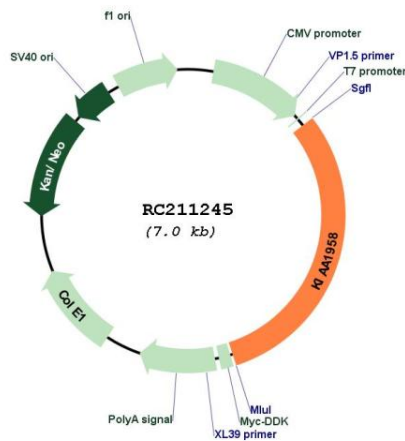
**ORF Size:** 2148 bp

**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](#)

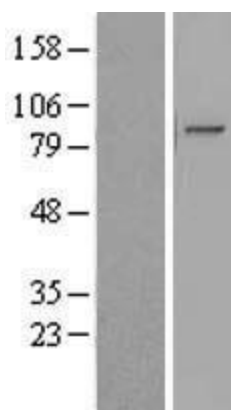
**OTI Annotation:** This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

- 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\\_133465.4](#)
- RefSeq Size:** 7575 bp
- RefSeq ORF:** 2151 bp
- Locus ID:** 158405
- UniProt ID:** [Q8N8K9](#)
- Cytogenetics:** 9q32
- MW:** 79.2 kDa

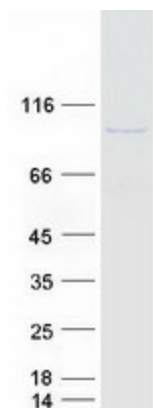
**Product images:**



Circular map for RC211245



Western blot validation of overexpression lysate (Cat# [LY408802]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC211245 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified KIAA1958 protein (Cat# [TP311245]). The protein was produced from HEK293T cells transfected with KIAA1958 cDNA clone (Cat# RC211245) using MegaTran 2.0 (Cat# [TT210002]).