

## Product datasheet for RC216138

### C9orf123 (TMEM261) (NM\_033428) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	C9orf123 (TMEM261) (NM_033428) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	C9orf123
Synonyms:	C9orf123; TMEM261
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	<p>&gt;RC216138 representing NM_033428</p> <p>Red=Cloning site Blue=ORF Green=Tags(s)</p> <p>TTTGTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC</p> <p>ATGGGGTCTCGGTTGTCCAGCCTTTTGAGTCCTATCACTGCGCCTCCCGGTACCGCCGCCGCGCCCGCCAAACCTGCGCCCCAGCTACACCGGAGCGCCGACCTCCCCAGCAGAACACCGCCTGTTGAAGACCTGCTGGAGCTGTCGCTGCTTTCTGGTTGGGGCTGATGGGGGCGGGCGGTACGTGTACTGGGTGGCACGGAAGCCCATGAAGATGGGATACCCCCGAGTCCATGGACCATTACGCAGATGGTCATCGGCCTCAGCATTGCCACCTGGGGTATCGTTGTCATGGCAGACCCAAAGGGAAGGCCTACCGCGTTGTT</p> <p>ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATTACAAGGATGACGACGATAAGGTTTAA</p>
Protein Sequence:	<p>&gt;RC216138 representing NM_033428</p> <p>Red=Cloning site Green=Tags(s)</p> <p>MGSRLSQPFESYITAPPGTAAAPAKPAPPATPGAPTSPAHRLLKTCWSCRVL SGLGLMGAGGYVYVVAR KPMKMGYPSPWTITQMVIGLSIATWGI VVMADPKGKAYRVV</p> <p>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</p>
Chromatograms:	<a href="https://cdn.origene.com/chromatograms/mk8011_f07.zip">https://cdn.origene.com/chromatograms/mk8011_f07.zip</a>
Restriction Sites:	SgfI-MluI


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**Cloning Scheme:**


**ACCN:** NM\_033428

**ORF Size:** 336 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.

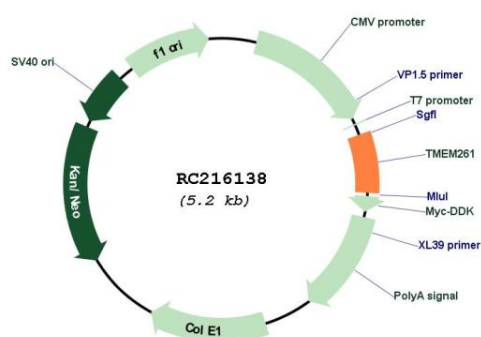
**RefSeq:** [NM\\_033428.3](#)

**RefSeq Size:** 2487 bp

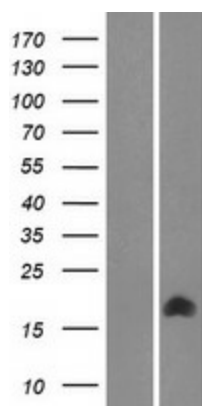
**RefSeq ORF:** 339 bp

Locus ID:	90871
UniProt ID:	<a href="#">Q96GE9</a>
Cytogenetics:	9p24.1
Protein Families:	Transmembrane
MW:	11.6 kDa
Gene Summary:	Required for the assembly of the mitochondrial NADH:ubiquinone oxidoreductase complex (complex I). Involved in the assembly of the distal region of complex I.[UniProtKB/Swiss-Prot Function]

## Product images:



Circular map for RC216138



Western blot validation of overexpression lysate (Cat# [LY409551]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC216138 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).