

Product datasheet for RC205700

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OriGene Technologies, Inc.

C9orf23 (RPP25L) (NM_148178) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: C9orf23 (RPP25L) (NM_148178) Human Tagged ORF Clone

Tag: Myc-DDK Symbol: C9orf23

Synonyms: bA296L22.5; C9orf23

Mammalian Cell

Selection:

Neomycin

Vector:pCMV6-Entry (PS100001)E. coli Selection:Kanamycin (25 ug/mL)ORF Nucleotide>RC205700 ORF sequence

Sequence: Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC

GCCGCGATCGCC

ATGGAGCACTACCGGAAAGCTGGCTCTGTAGAGCTCCCAGCGCCTTCCCCAATGCCCCAGCTACCTCCTG
ATACCCTTGAGATGCGGGTCCGAGATGGCAGCAAAATTCGCAACCTGCTGGGTTGGCTCTGGGTCGGTT
GGAGGGCGGCAGTGCTCGGCATGTAGTGTTCTCAGGTTCTGGCAGGGCTGCAGGAAAGGCTGTCAGCTGC
GCTGAGATTGTCAAGCGGCGGGTCCCAGGCCTGCACCAGCTCACCAAGCTACGTTTCCTTCAGACTGAGG
ACAGCTGGGTCCCAGCCTCACCTGACACAGGGCTAGACCCCCTCACAGTGCCCCCATGTGCCTGCAGT
GTGGGTGCTCCAGCCGGGACCCCCTGGACCCCAATGAGTGTGGTTACCAACCCCCAGGAGCACCCCCT
GGCCTGGGTTCCATGCCCAGCTCCAGCTGTGCCCTCGTTCCCGAAGAAAGGGCTCGAGACACCCCGATCG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT

ACAAGGATGACGACGATAAG**GTTTAA**

Protein Sequence: >RC205700 protein sequence

Red=Cloning site Green=Tags(s)

MEHYRKAGSVELPAPSPMPQLPPDTLEMRVRDGSKIRNLLGLALGRLEGGSARHVVFSGSGRAAGKAVSC AEIVKRRVPGLHOLTKLRFLQTEDSWVPASPDTGLDPLTVRRHVPAVWVLLSRDPLDPNECGYQPPGAPP

GLGSMPSSSCGPRSRRRARDTRS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

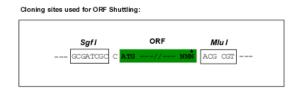
Chromatograms: https://cdn.origene.com/chromatograms/mk6427 g12.zip

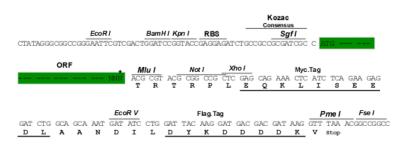




Restriction Sites: Sgfl-Mlul

Cloning Scheme:





^{*} The last codon before the Stop codon of the ORF

ACCN: NM_148178

ORF Size: 489 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: <u>NM 148178.3</u>

RefSeq Size: 915 bp RefSeq ORF: 492 bp



 Locus ID:
 138716

 UniProt ID:
 Q8N5L8

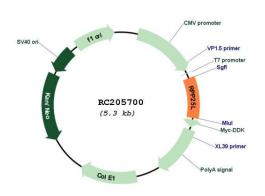
Cytogenetics: 9p13.3 MW: 17.6 kDa

Gene Summary: This gene encodes a protein that appears to belong to a family of evolutionarily related

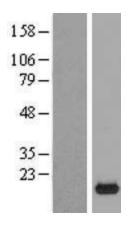
proteins (DUF78), that may share one or more domains in common. Members of this family are small archaebacterial proteins with no known function. Alternative splicing has been observed at this locus and two variants, both encoding the same protein, have been

identified. [provided by RefSeq, Jul 2008]

Product images:

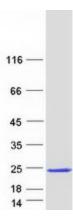


Circular map for RC205700



Western blot validation of overexpression lysate (Cat# [LY407739]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with [RC223396] using transfection reagent MegaTran 2.0 (Cat# [TT210002]).





Coomassie blue staining of purified RPP25L protein (Cat# [TP305700]). The protein was produced from HEK293T cells transfected with RPP25L cDNA clone (Cat# RC205700) using MegaTran 2.0 (Cat# [TT210002]).