

## Product datasheet for **RC200514**

### **NPD014 (RSRP1) (NM\_020317) Human Tagged ORF Clone**

#### Product data:

Product Type:	Expression Plasmids
Product Name:	NPD014 (RSRP1) (NM_020317) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	NPD014
Synonyms:	C1orf63; NPD014
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC200514 representing NM_020317 Red=Cloning site Blue=ORF Green=Tags(s)

CTATAGGGCGCCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC**GGCGC**  
**GCCC**

ATGTCCAACACGTGAACGACATGTGGCCGGGCTCGCCGCAGGAGAAGGATTCGCCCTCGACCTCGCGGT  
CGGGCGGGTCCAGCCGGCTGTCGTCGCGGTCTAGGAGCCGCTCTTTTCCAGAAGCTCTCGGTCCCATT  
CCGCGTCTCGAGCCGGTTTTTCGTCAGGAGTCCGAGGAGCAAGTCCAGGTCCCCTCCGAAAGCCGCCAC  
CAGCGGAAGTACAGGCGCTACTCGCGGTACTACTCGCGGAGCCGGTCCGATCCCGCAGCCGCCGTTACC  
GAGAGAGGCGCTACGGGTTACCCAGGAGATACTACCGGTCTCCTTCGCGGTACCGGTCCCCTCCGTTAG  
CAGGTCGCGCTCTCGGGGAAGGTCGTAAGTGCAGGAGGCGTACCGGATCGCGCGGGGACAGCGCTACTAC  
GGCTTTGGTCGCACAGTGTACCCGGAGGAGCACAGCAGATGGAGGGACAGATCCAGGACGAGGTCGCGGA  
GCAGAACCCCTTTTCGCTTAAGTAAAAAGATCGAATGGAGCTGTTAGAAATAGCAAAAACCAATGCAGC  
GAAAGCTCTAGGAACAACCAACATTGACTTGCCAGCTAGTCTCAGAACTGTTCTTCAGCCAAAAGAAACA  
AGCCGTGGAATAGGTGTATCAAGTAATGGTGCAAAAGCCTGAAGTGTGCGAAAAGGTAACAGAAAGTGGAA  
CTCGAAATCCCAATGAAAACCTACCCAGCAAAGAAGCATAGCTTTTAGCTCTAATAATTCTGTAGCAAA  
GCCAATACAAAATCAGCTAAAGCTGCCACAGAAGAGGCATCTTCAAGATCACCAAAAATAGATCAGAAA  
AAAAGTCCATATGGACTGTGGATACCTATC

**ACGCGT**ACGCGGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
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**Protein Sequence:** >RC200514 representing NM\_020317  
Red=Cloning site Green=Tags(s)

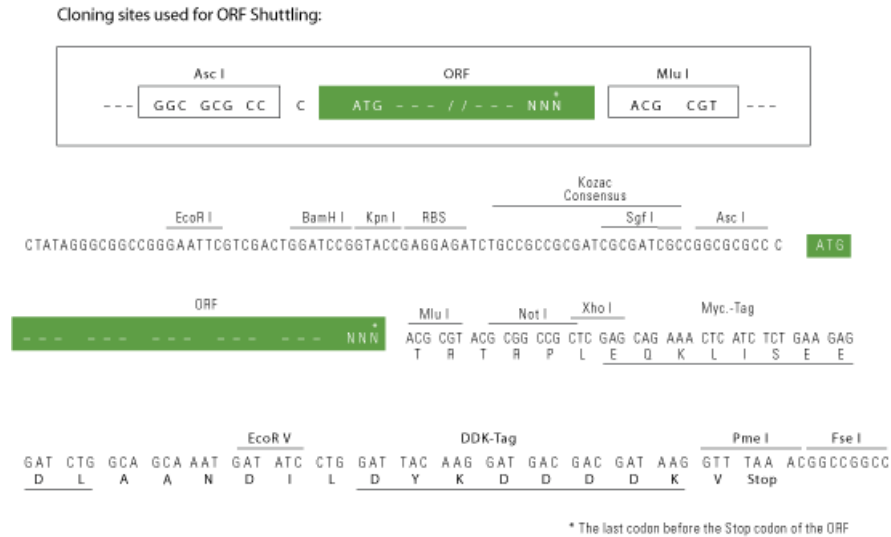
MSNYVNDMWPQSPQEKDPSSTSRSGGSSRLSSRSRSRFSRSSRSRSHSRVSSRFSSRSRRSKRSRSRRRH  
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 YGFGRTVYPEEHSRWRDRSRTRSRRTPFRLSEKDRMELLEIAKTNAAKALGTTNIDLPA SLRTVPSAKET  
 SRGIGVSSNGAKPELSEKVTEDGTRNPNKGKPTQQRSIAFSSNNSVAKPIQKSAKAATEEASRSRSPKIDQK  
 KSPYGLWIPI

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:** [https://cdn.origene.com/chromatograms/ja1428\\_g01.zip](https://cdn.origene.com/chromatograms/ja1428_g01.zip)

**Restriction Sites:** AscI-MluI

**Cloning Scheme:**



**ACCN:** NM\_020317

**ORF Size:** 870 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\\_020317.2](#)

**RefSeq Size:** 1482 bp

**RefSeq ORF:** 873 bp

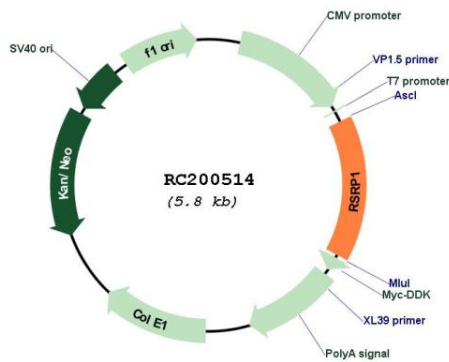
**Locus ID:** 57035

**UniProt ID:** [Q9BUV0](#)

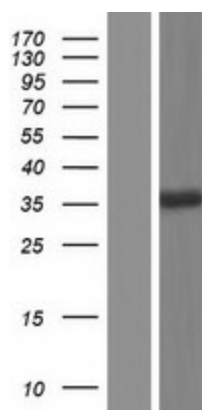
**Cytogenetics:** 1p36.11

**MW:** 33.4 kDa

**Product images:**



Circular map for RC200514



Western blot validation of overexpression lysate (Cat# [LY412557]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC200514 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).