

## Product datasheet for **RC200741**

### **SURF6 (NM\_006753) Human Tagged ORF Clone**

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** SURF6 (NM\_006753) Human Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** SURF6  
**Synonyms:** RRP14  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**ORF Nucleotide Sequence:** >RC200741 representing NM\_006753  
**Red=Cloning site Blue=ORF Green=Tags(s)**

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGCCTCTACTCGCCAAGGACGCCTACCTGCAGAGCCTGGCCAAGAAGATCTGCTCCCATTCGGCCC  
CGGAACAGCAGGCGCGCACGCGGGCTGGCAAACTCAAGGCTCAGAACTGCAGGGCCCCAAAAAGAA  
AAGGAAGAAAACAAAAAGAAATTCGGGAAGCGAGAAGAGAAGGCTGCTGAGCACAAGGCCAAGTCCTTG  
GGGAGAAATCTCAGCAGCCTCTGGGGCCAGGAGGCCTGAGGCAGCCAAAGAGGAAGCAGCTTGGGCTT  
CCAGCTCAGCAGGAACCTGCAGATGGCTGGCCACTGAGCCTGAGTCTGTCTTTGCTCTGGATGTTCT  
GCGACAGCGACTGCATGAGAAGATCCAGGAGGCCCGGGCCAGGGCAGTCCAAGGAGCTGTCCCCTGCC  
GCCTTGGAGAAAAGGCGGCGGAGAAAGCAGGAACGGGACCGGAAGAAGAGGAAGCGAAAGGAGCTGCGGG  
CGAAAGAGAAGGCCAGGAAGGCTGAGGAGGCCACGGAGGCCAGGAGGTGGTGGAGGCAACCCAGAGGG  
GGCCTGCACGGAGCCGCGGGAGCCCGCCGGGCTGATCTTCAATAAGGTGGAGGTGAGCGAAGACGAGCCG  
GCCAGCAAGGCGCAGCGCAGAAAAGAGAAGAGGCGAGGGTGAAGGGGAACCTCACGCCGTGACCGGGA  
GGAACACCGGCAGCTGCTGGAGCGCTGCAGGCACGGCAGAGCCGGCTGGACGAGCTGCGCGGCCAGGA  
TGAGGGGAAGGCGCAGGAGCTGGAGGCGAAGATGAAGTGGACCAACCTCCTCTACAAGGCGGAGGGCGTG  
AAGATCCGTGACGACGAACGCTGCTGCAGGAGGCCCTGAAGCGCAAGGAGAAGCGCAGGGCGCAGCGGC  
AGCGCCGGTGGGAGAAGCGCACGCGCGGCGTGGTGGAGAAGATGCAGCAGCGCCAGGACCGCGCGGCA  
GAACCTGCGCAGGAAGAAGGCGGCCCGCCGAGCGCGCTGCTCAGAGCCCGAAGAAGGCGCCGATC  
CTGCCGACGACCTGGAGCGCGCAGGCCTGGTC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTAA



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**Protein Sequence:** >RC200741 representing NM\_006753  
Red=Cloning site Green=Tags(s)

MASLLAKDAYLQSLAKKICSHSAPEQQARTRAGKTQGSETAGPPKKRKKTKKKFRKREEKAAEHKAKSL  
 GEKSPAASGARRPEAAKEEAWASSSAGNPADGLATEPESVFDVLRQLHEKIQEARGQGSAKELSPA  
 ALEKRRRRKQERDRKKRKRKELRAKEKARKAAEEATEAEVVEATPEGACTEPREPPGLIFNKVEVSEDEP  
 ASKAQRRKQKRVKGNLTPLTGRNYRQLLERLQARQSRLDELRGQDEGKAQELEAKMKWTNLLYKAEV  
 KIRDDERLLQEALKRKEKRRARQQRWEKRTAGVVEKMQQRDRRRQNLRRKKAARAERLLRARKKGRI  
 LPQDLERAGLV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:** [https://cdn.origene.com/chromatograms/ja1552\\_a08.zip](https://cdn.origene.com/chromatograms/ja1552_a08.zip)

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



\* The last codon before the Stop codon of the ORF

**ACCN:** NM\_006753

**ORF Size:** 1083 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\\_006753.6](#)

**RefSeq Size:** 2349 bp

**RefSeq ORF:** 1086 bp

**Locus ID:** 6838

**UniProt ID:** [O75683](#)

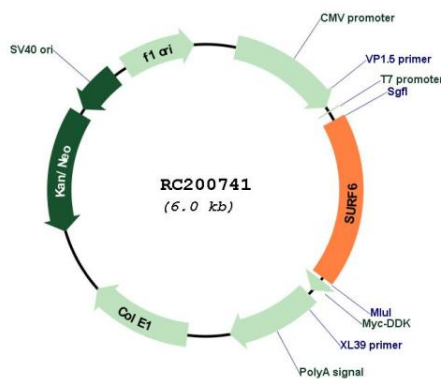
**Cytogenetics:** 9q34.2

**Domains:** SURF6

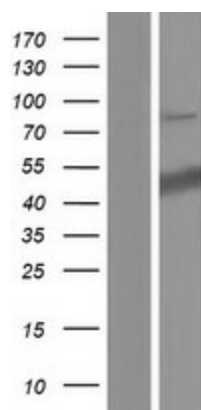
**MW:** 41.3 kDa

**Gene Summary:** This gene encodes a conserved protein that is localized to the nucleolus. The encoded protein may function as a nucleolar-matrix protein with nucleic acid-binding properties. There is a pseudogene for this gene on chromosome Y. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jul 2013]

### Product images:



Circular map for RC200741



Western blot validation of overexpression lysate (Cat# [LY416449]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC200741 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).