

## **Product datasheet for RG204095**

## SURF2 (NM\_017503) Human Tagged ORF Clone

**Product data:** 

**Product Type:** Expression Plasmids

**Product Name:** SURF2 (NM\_017503) Human Tagged ORF Clone

Tag: TurboGFP

Symbol: SURF2

Synonyms: SURF-2

Mammalian Cell Neomycin

Selection:

Vector: pCMV6-AC-GFP (PS100010)

E. coli Selection: Ampicillin (100 ug/mL)

ORF Nucleotide >RG204095 representing NM\_017503

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

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC

GCCGCGATCGCC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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## SURF2 (NM\_017503) Human Tagged ORF Clone - RG204095

**Protein Sequence:** >RG204095 representing NM\_017503

Red=Cloning site Green=Tags(s)

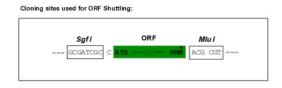
MSELPGDVRAFLREHPSLRLQTDARKVRCILTGHELPCRLPELQVYTRGKKYQRLVRASPAFDYAEFEPH IVPSTKNPHQLFCKLTLRHINKCPEHVLRHTQGRRYQRALCKYEECQKQGVEYVPACLVHRRRRREDQMD GDGPRPREAFWEPTSSDEGGAASDDSMTDLYPPELFTRKDLGSTEDGDGTDDFLTDKEDEKAKPPREKAT DEGRRETTVYRGLVQKRGKKQLGSLKKKFKSHHRKPKSFSSCKQPG

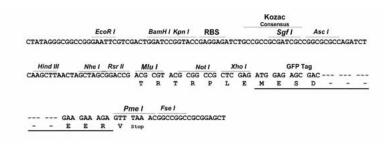
TRTRPLE - GFP Tag - V

**Restriction Sites:** 

Sgfl-Mlul

**Cloning Scheme:** 





**ACCN:** NM\_017503

ORF Size: 768 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 017503.5</u>

 RefSeq Size:
 847 bp

 RefSeq ORF:
 771 bp

 Locus ID:
 6835

 UniProt ID:
 Q15527

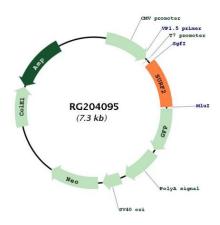
 Cytogenetics:
 9q34.2

**Gene Summary:** This gene shares a bidirectional promoter with surfeit 1 (SURF1; GeneID: 6834), which is

located on the opposite strand. It encodes a conserved protein that is expressed in a variety

of tissues. [provided by RefSeq, Jul 2013]

## **Product images:**



Circular map for RG204095