

## Product datasheet for **RG236090**

### **SURF4 (NM\_001280793) Human Tagged ORF Clone**

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** SURF4 (NM\_001280793) Human Tagged ORF Clone  
**Tag:** TurboGFP  
**Symbol:** SURF4  
**Synonyms:** ERV29  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PS100010)  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**ORF Nucleotide Sequence:** >RG236090 representing NM\_001280793.  
 Blue=ORF Red=Cloning site Green=Tag(s)

```
GCTCGTTTGTAGTAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGAGGAACCTGGCCCTGGGAGGAGGCCTGTTGCTGCTCCTAGCAGAATCCCGTTCTGAAGGAAGAGC
ATGTTTGCGGCGTCCCCACCATGCGTGAGAGCTCCCCAAACAGTACATGCAGCTCGGAGGCAGGGTC
TTGCTGGTTCTGATGTTTCATGACCCTCCTTCACTTTGACGCCAGCTTCTTTTCTATTGTCCAGAACATC
GTGGGCACAGCTCTGATGATTTTAGTGCCATTGGTTTTAAACCAAGCTGGCTGCTTTGACTCTTGTT
GTGTGGCTCTTTGCCATCAACGTATATTCAACGCCTTCTGGACCATTCCAGTCTACAAGCCCATGCAT
GACTTCTGAAATACGACTTCTCCAGACCATGTCGGTGATTGGGGCTTCTCCTGGTGGTGGCCCTG
GGCCCTGGGGGTGCTCCATGGATGAGAAGAAGAAGGAGTGG
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC
```

**Protein Sequence:** >Peptide sequence encoded by RG236090  
 Blue=ORF Red=Cloning site Green=Tag(s)

```
MRNLALGGLLLLLLAESRSEKSMFAGVPTMRESSPKQYMQLGGRVLLVLMFMTLLHFDASFFSIVQNI
VGTALMILVAIGFKTKLAALTLVWVLFAINVYFNAFWTIPVYKPMHDFLKYDFFTQMSVIGLLLLVVAL
GPGGVSMDEKKKEW
TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGEGTPEQGRMTNKMSTKGALTFSPYLLSHV
MGYGFYHFGTYPSTYENPFLHAINNGGYNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPED
SVIFTDKIIRSNATVEHLHPMGDNDLDGSFTRTFSLRDGGYSSVVDSHMHFKSAIHPISILQNGGPMFA
FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV
```

**Restriction Sites:** SgfI-MluI

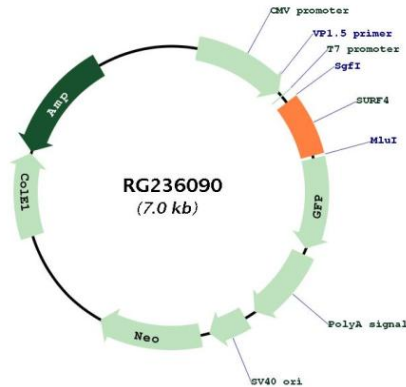




**Gene Summary:**

This gene is located in the surfait gene cluster, which is comprised of very tightly linked housekeeping genes that do not share sequence similarity. The encoded protein is a conserved integral membrane protein that interacts with endoplasmic reticulum-Golgi intermediate compartment proteins. Disruption of this gene results in reduced numbers of endoplasmic reticulum-Golgi intermediate compartment clusters and redistribution of coat protein I to the cytosol. Alternate splicing results in multiple transcript variants. [provided by RefSeq, Jul 2013]

**Product images:**



Circular map for RG236090