

Product datasheet for **MR203577**

Surf4 (NM_011512) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Myc-DDK
Symbol:	Surf4
Synonyms:	AL033340; AL033373; Surf-4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence: >MR203577 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTGAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGGACAGAACGACCTGATGGGCACGGCCGAGGACTTCGCCGACCAGTTCCTTCGAGTCACCAAGCAGT
ACCTGCCTCATGTGGCGCGCCTCTGCCTGATCAGCACCTTCCTGGAGGATGGCATCCGCATGTGGTTCCA
GTGGAGTGAGCAGCGTGACTATATCGACACCACCTGGAGCTGTGGCTACCTGTTGGCCTCATCCTTCGTG
TTCTCAACCTGCTGGGACAATTGACTGGCTGTGTTTTGGTGCTGAGCAGGAACCTCGTGCAATATGCCT
GCTTTGGGCTGTTTGAATCATCGCACTGCAGACAATTGCCTATAGCATTGTTGGGACTTGAAGTTTCT
CATGAGGAACCTGGCTTTAGGAGGAGGTTTGCTGCTGCTCTTGGCAGAATCCCGCTCAGAAGGGAAGAGC
ATGTTTGCTGGTGTCCAACCATGCGTGAGAGCTCCCCAAGCAGTACATGCAGCTTGAGGAAGGGTCC
TGCTGGTCTGATGTTTCATGACCTCCTTCACTTTGATGCCAGCTTCTTTCTATCATCCAGAACATTGT
GGGCACAGCTCTGATGATCTTAGTAGCCATCGGTTTTAAACCAAGCTGGCAGCTTTGACTCTCGTCGTC
TGGCTGTTTGCCATCAACGTGTATTTCAACGCCTTCTGGACAATCCCGGTATATAAACCCATGCATGACT
TCCTGAAATACGACTTCTTCAGACCATGTCAGTGATTGGAGGCCTGCTCCTGGTGGTGGCTCTTGGCCC
AGGGGGTGTGTCCATGGATGAGAAGAAGAAGAGTGG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



Protein Sequence:

>MR203577 protein sequence
Red=Cloning site Green=Tags(s)

MGQNDLMTGAEDFADQFLRVTKQYLPHVARLCLISTFLEDGIRMWFWQSEQRDYIDTTWSCGYLLASSFV
FLNLLGQLTGCVLVLSRNFVQYACFLGFIATLQTIAYSILWDLKFLMRNLALGGGLLLLAEPSREKGS
MFAGVPTMRESSPKQYMLGGRVLLVLMFMTLLHFDASFFSIIQNIVGTALMILVAIGFKTKLAALTLVV
WLFAINVYFNAFWTIPVYKPMHDFLKDYDFOTMSVIGGLLVVALPGPGVSMDEKKKEW

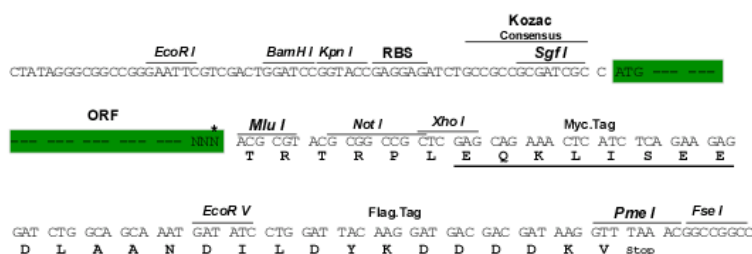
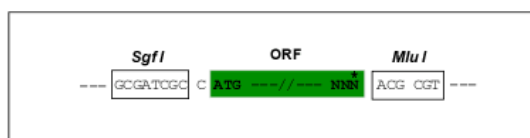
TRTRPLEOKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN:

NM_011512

ORF Size:

807 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: [NM_011512.3](#)

RefSeq Size: 2863 bp

RefSeq ORF: 810 bp

Locus ID: 20932

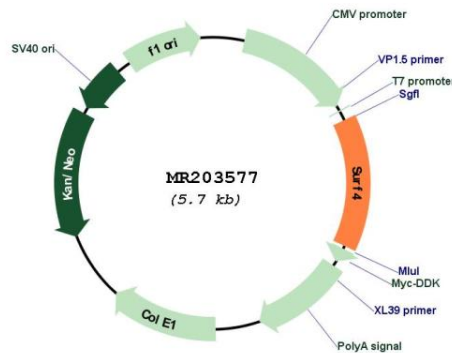
UniProt ID: [Q64310](#)

Cytogenetics: 2 19.1 cM

MW: 30.4 kDa

Gene Summary: May play a role in the maintenance of the architecture of the endoplasmic reticulum-Golgi intermediate compartment and of the Golgi.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR203577