

Product datasheet for **MG203577**

Surf4 (NM_011512) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Surf4 (NM_011512) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Surf4
Synonyms:	AL033340; AL033373; Surf-4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG203577 representing NM_011512 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGGACAGAACGACCTGATGGGCACGGCCGAGGACTTCGCCGACCAGTTCCTTCGAGTCACCAAGCAGT
ACCTGCCTCATGTGGCGCCTCTGCCTGATCAGCACCTTCCTGGAGGATGGCATCCGCATGTGGTTCCA
GTGGAGTGAGCAGCGTGACTATATCGACACCACCTGGAGCTGTGGCTACCTGTTGGCCTCATCCTTCGTG
TTCCTCAACCTGCTGGGACAATTGACTGGCTGTGTTTTGGTGCTGAGCAGGAACCTCGTGCAGTATGCCT
GCTTTGGGCTGTTTGAATCATCGCACTGCAGACAATTGCCTATAGCATTGTTGGGACTTGAAGTTTCT
CATGAGGAACCTGGCTTTAGGAGGAGGTTTGTGCTGCTCTTGGCAGAATCCCGCTCAGAAGGGAAGAGC
ATGTTTGTGCTGGTGTCCCAACCATGCGTGAGAGCTCCCCAAGCAGTACATGCAGCTTGGAGGAAGGGTCC
TGCTGGTCTGATGTTTATGACCTCCTTCACTTTGATGCCAGCTTCTTTTCTATCATCCAGAACATTGT
GGGCACAGCTCTGATGATCTTAGTAGCCATCGGTTTTAAACCAAGCTGGCAGCTTTGACTCTCGTCGTC
TGGCTGTTGCCATCAACGTGATTTCAACGCCTTCTGGACAATCCCGGTATATAAACCATGCATGACT
TCCTGAAATACGACTTCTCCAGACCATGTCAGTGATTGGAGGCTGCTCCTGGTGGTGGCTCTTGCC
AGGGGTGTGTCATGGATGAGAAGAAGAAAGAGTGG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG203577 representing NM_011512
Red=Cloning site Green=Tags(s)

MGQNDLMGTAEDFADQFLRVTKQYLPHVARLCLISTFLEDGIRMWFQWSEQRDYIDTTWSCGYLLASSFV
 FLNLLGQLTGCVLVLSRNFVQYACFLFGIIALQTIAYSILWDLKFLMRNLALGGLLLLLAESRSEGKS
 MFAGVPTMRESSPKQYMQLGGRVLLVLMFMTLLHFDASFFSIIQNIIVGTALMILVAIGFKTKLAALTLVV
 WLFAINVYFNFAFTIPVYKPMHDFLKYDFFQTMMSVIGLLLLVVALGPGGVSMDEKKKEW

TRTRPLE - GFP Tag - V

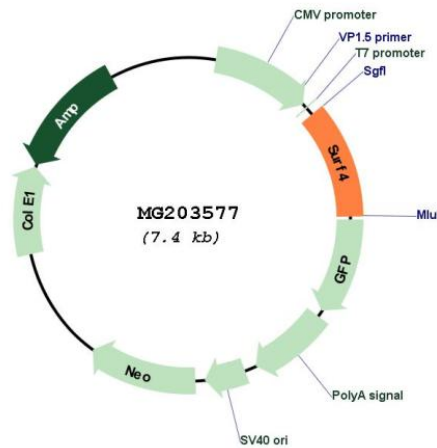
Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



Plasmid Map:



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:	<ol style="list-style-type: none">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_011512.3
RefSeq Size:	3280 bp
RefSeq ORF:	810 bp
Locus ID:	20932
UniProt ID:	Q64310
Cytogenetics:	2 19.1 cM
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]