

Product datasheet for **RG200741**

SURF6 (NM_006753) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SURF6 (NM_006753) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	SURF6
Synonyms:	RRP14
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG200741 representing NM_006753 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCCTCTACTCGCCAAGGACGCCTACCTGCAGAGCCTGGCCAAGAAGATCTGCTCCCATTCGGCCC
CGGAACAGCAGGCGCGCACGCGGGCTGGCAAACTCAAGGCTCAGAACTGCAGGGCCCCAAAAAGAA
AAGGAAGAAAACAAAAAGAAATTCGGGAAGCGAGAAGAGAAGGCTGCTGAGCACAAGGCCAAGTCCTTG
GGGAGAAATCTCAGCAGCCTCTGGGGCCAGGAGGCCTGAGGCAGCCAAAGAGGAAGCAGCTTGGGCTT
CCAGCTCAGCAGGAACCCTGCAGATGGCTGGCCACTGAGCCTGAGTCTGTCTTTGCTCTGGATGTTCT
GCGACAGCGACTGCATGAGAAGATCCAGGAGGCCCGGGCCAGGGCAGTGCCAAGGAGCTGTCCCCTGCC
GCCTTGGAGAAAAGGCGGCGGAGAAAGCAGGAACGGGACCGGAAGAAGAGGAAGCGAAAGGAGCTGCGGG
CGAAAGAGAAGGCCAGGAAGGCTGAGGAGGCCACGGAGGCCAGGAGGTGGTGGAGGCAACCCAGAGGG
GGCCTGCACGGAGCCGCGGGAGCCCGCGGGCTGATCTTCAATAAGGTGGAGGTGAGCGAAGACGAGCCG
GCCAGCAAGGCGCAGCGCAGAAAAGAGAAGAGGCGAGGGTGAAGGGGAACCTCACGCCGTGACCGGGA
GGAACACCGGCAGCTGCTGGAGCGCTGCAGGCACGGCAGAGCCGGCTGGACGAGCTGCGCGGCCAGGA
TGAGGGGAAGGCGCAGGAGCTGGAGGCGAAGATGAAGTGGACCAACCTCCTCTACAAGGCGGAGGGCGTG
AAGATCCGTGACGACGAACGCCTGCTGCAGGAGGCCCTGAAGCGCAAGGAGAAGCGCAGGGCGCAGCGGC
AGCGCCGGTGGGAGAAGCGCACGCGCGGCTGGTGGAGAAGATGCAGCAGCGCCAGGACCGCGCGGCGCA
GAACCTGCGCAGGAAGAAGGCGGCCCGCGCAGCGCGCTGCTCAGAGCCCGAAGAAGGCGCCGATC
CTGCCGACGACCTGGAGCGCGCAGGCCTGGTC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG200741 representing NM_006753
 Red=Cloning site Green=Tags(s)

MASLLAKDAYLQSLAKKICSHSAPEQQARTRAGKTQGSETAGPPKKRKKTKKKFRKREEKAAEHKAKSL
 GEKSPAASGARRPEAAKEEAAWASSSAGNPADGLATEPESVFDVLRQLHEKIQEARGQSAKELSPA
 ALEKRRRRKQERDRKKRKRKELRAKEKARKAAEEATEAEVVEATPEGACTEPREPPGLIFNKVEVSEDEP
 ASKAQRRKEKRQRVKGNLTPLTGRNYRQLLERLQARQSRLDELRGQDEGKAQELEAKMKWTNLLYKAEV
 KIRDDERLLQEALKRKEKRRARQQRWEKRTAGVVEKMQQRDRRRQNLRRKKAARAERLLRARKKGRI
 LPQDLERAGLV

TRTRPLE - GFP Tag - V

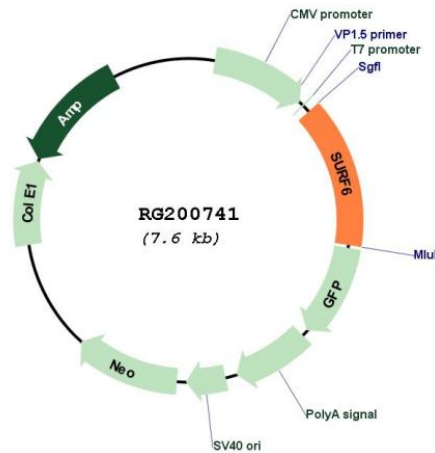
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



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:	<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_006753.6
RefSeq Size:	2349 bp
RefSeq ORF:	1086 bp
Locus ID:	6838
UniProt ID:	Q75683
Cytogenetics:	9q34.2
Domains:	SURF6
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]