

Product datasheet for SC128236

SURF4 (NM_033161) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SURF4 (NM_033161) Human Untagged Clone
Tag:	Tag Free
Symbol:	SURF4
Synonyms:	ERV29
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC128236 sequence for NM_033161 edited (data generated by NextGen Sequencing)

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ATGGGCCAGAACGACCTGATGGGCACGGCCGAGGACTTCGCCACCAGTTCTCCGTGTC
ACAAAGCAGTACCTGCCCCACGTGGCGCGCCTCTGTCTGATCAGCACCTTCTGGAGGAC
GGCATCCGTATGTGGTTCCAGTGGAGCGAGCAGCGCGACTACATCGACACCACCTGGAAC
TGCGGCTACCTGCTGGCCTCGTCTTCTCCTCAACTTGCTGGGACAGCTGACTGGC
TGCGTCTGGTGTGAGCAGGAACCTTCGTGCAGTACGCCTGCTTCGGGCTCTTTGGAATC
ATAGCTCTGCAGACGATTGCCTACAGCATTTTATGGGACTTGAAGTTTTTGATGAGGAAC
CTGGCCCTGGGAGGAGGCTGTTGCTGCTCCTAGCAGAATCCCGTTCTGAAGGGAAGAGC
ATGTTTGGGGCGTCCCCACCATGCGTGAGAGCTCCCCAAACAGTACATGCAGCTCGGA
GGCAGGGTCTTGCTGGTCTGATGTTTCATGACCCTCCTTCACTTTGACGCCAGCTTCTTT
TCTATTGTCCAGAACATCGTGGGCACAGCTCTGATGATTTTAGTGGCCATTGGTTTTAAA
ACCAAGCTGGCTGCTTTGACTCTTGTGTGGCTCTTTGCCATCAACGTATATTCAAC
GCCTTCTGGACATTCCAGTCTACAAGCCCATGCATGACTTCTGAAATACGACTTCTTC
CAGACCATGTCGGTGATTGGGGCTTGCTCCTGGTGGTGGCCCTGGGCCCTGGGGGTGTC
TCCATGGATGAGAAGAAGAAGGAGTGGTAA
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Clone variation with respect to NM_033161.2



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5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_033161 unedited</p> <pre> NCGGTTCAAATTTGTATACGACTCATATAGGGCGGCCGGAATTCGCACCAGCGGGCGCC GACGGGCGAGAGCCAGCGAGCGAGCGAGCCGAGCCGAGCCGAGCCTCCCGCCGTCGCCATG GGCCAGAACGACCTGATGGGCACGGCCGAGGACTTCGCCGACCAGTTCTCCGTGTACACA AAGCAGTACCTGCCCCACGTGGCGCGCCTCTGTCTGATCAGCACCTTCTGGAGGACGGC ATCCGTATGTGGTTCCAGTGGAGCGAGCAGCGGACTACATCGACACCACCTGGAAGTGC GGCTACCTGCTGGCCTCGTCTTCTCCTCAACTTGGTGGGACAGCTGACTGGCTGC GTCCTGGTGTGAGCAGGAACCTTCGTGCAGTACGCCTGCTTCGGGCTCTTTGGAATCATA GCTCTGCAGACGATTGCCTACAGCATTTTATGGGACTTGAAGTTTTTGTAGAGGAACCTG GCCCTGGGAGGAGGCCTGTTGCTGCTCCTAGCAGAATCCCCTTCTGAAGGGAAGAGCATG TTTGCGGGCGTCCCACCATGCGTGAGAGCTCCCCAAACAGTACATGCAGCTCGGAGGC AGGGTCTTGCTGGTTCTGATGTTTATGACCCTCCTTCACTTTGACGCCAGCTTCTTTTCT ATTGTCCAGAACATCGTGGGCACAGCTCTGATGATTTTAGTGGCCATTGGTTTTAAACC AAGCTGGCTGCTTTGACTCTTGTGTGGCTCTTTGCCATCAACGTATATTTCAACGCC TTCTGGACCATTCCAGTCTACAGCCCATGCATGACTTCTGAATACGACTTCTTCAACCA TGTCTGTAATTGGNGGCTGCTCTGGGNGTGGCCTGCCCTGCGGGGGGTGCTCTGGA TGAGAAAAAAGGATGGGTACAC </pre>
3' Read Nucleotide Sequence:	<p>>Forward primer walk for NM_033161 unedited</p> <pre> GGAAAAGTGTCTTGCTGGTTNTGNAGTTCATAACCCTCCTTCATTTNAGCCAGCTTCTT TTCTATTGTCCAGAACATCGTGGGCACAGCTCTGATGATTTTAGTGGCCATTGGTTTTAA AACCAAGCTGGCTGCTTTGACTCTTGTGTGGCTCTTTGCCATCAACGTATATTTCAA CGCCTTCTGGACCATTCCAGTCTACAAGCCCATGCATGACTTCTGAAATACGACTTCTT CCAGACCATGTCCGTGATTGGGGCTTGTCTCCTGGTGGTGGCCCTGGGCCCTGGGGGTG CTCCATGGATGAGAAGAAGAAGGAGTGGTAACAGTACAGATCCCTACCTGCCTGGCTAA GACCCGTGGCCGTCAAGGACTGGTTCGGGGTGGATTCAACAAAATGCCAGCTTTTATGT ATCCTCTTCCCTCCCTCCCTGGTAAAGGCACAGATGTTTTGAGAACTTTATTTGCAG AGACACCTGAGAAATCGATGGCTCAGTCTGCTCTGGAGCCACAGTCTGGCGTCTGACCCTT CAGTGCAGGCCAGCCTGGCAGCTGGAAGCCTCCCCACGCCGAGGCTTTGGAGTGAACAG CCCCTTGGCTGTGGCATCTCAGTCTATTTTTGAGTTTTTTTGTGGGGTACAGGAGGG GGCCTTCAAGCTGTACTGTGAGCAGCAGCATTGGTATTATCATTANAGCAGTCTCCCTC TTATTTGTAAGTTTACATTTTTAGCGGAAACTACTAAATATTTTTGGGGTGGTTCAGCCA AACCTCANAACAGTTAANTCTCCCTGGTTTAAAATCACACCAGTGGCTTTGATGTTGTTT CTGCCCGCATTGTATTTTATAGGAATACTNGAAACATTTAGGNACACCCAAAAATGATG CA </pre>
Restriction Sites:	NotI-NotI
ACCN:	NM_033161
Insert Size:	2800 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
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_033161.2 , NP_149351.1
RefSeq Size:	2985 bp
RefSeq ORF:	810 bp
Locus ID:	6836
UniProt ID:	O15260
Cytogenetics:	9q34.2
Domains:	SURF4
Protein Families:	Transmembrane
Gene Summary:	<p>This gene is located in the surfeit 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]</p> <p>Transcript Variant: This variant (1) encodes the longest isoform (1).</p>