

Product datasheet for **SC334609**

SURF4 (NM_001280791) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SURF4 (NM_001280791) Human Untagged Clone
Tag:	Tag Free
Symbol:	SURF4
Synonyms:	ERV29
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_001280791, the custom clone sequence may differ by one or more nucleotides

ATGTGGTTCCAGTGGAGCGAGCAGCGCGACTACATCGACACCACCTGGAAGTGGGCTACCTGCTGGCCT
 CGTCCTTCGTCCTCCTCAACTTGCTGGGACAGCTGACTGGCTGCGTCCTGGTGTGAGCAGGAACCTCGT
 GCAGTACGCTGCTTCGGGCTCTTTGGAATCATAGCTCTGCAGACGATTGCCTACAGCATTTATGGGAC
 TTGAAGTTTTGATGAGGAACCTGGCCCTGGGAGGAGGCCTGTTGCTGCTCCTAGCAGAAATCCCGTTCTG
 AAGGGAAGAGCATGTTTGCAGGCGTCCCCACCATGCGTGAGAGCTCCCCAAACAGTACATGCAGCTCGG
 AGGCAGGGTCTTGCTGGTCTGATGTTTCATGACCTCCTTCACTTGACGCCAGCTTCTTTCTATTGTC
 CAGAACATCGTGGGCACAGCTCTGATGATTTTAGTGGCCATTGGTTTTAAACCAAGCTGGCTGCTTTGA
 CTCTTGTTGTGTGGCTCTTTGCCATCAACGTATATTTCAACGCCTCTGGACCATTCCAGTCTACAAGCC
 CATGCATGACTTCCTGAAATACGACTTCTTCCAGACCATGTCGGTGATTGGGGGCTTGCTCCTGGTGGTG
 GCCCTGGGCCCTGGGGGTGTCTCCATGGATGAGAAGAAGAAGGAGTGGA

Restriction Sites:	SgfI-MluI
ACCN:	NM_001280791
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).


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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.

RefSeq: [NM_001280791.1](#), [NP_001267720.1](#)

RefSeq Size: 3166 bp

RefSeq ORF: 681 bp

Locus ID: 6836

Cytogenetics: 9q34.2

Protein Families: Transmembrane

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]

Transcript Variant: This variant (5) uses an alternate splice site in its 5' UTR and initiates translation at a downstream start codon, compared to variant 1. The encoded isoform (4) has a shorter N-terminus, compared to isoform 1. Both variants 4 and 5 encode the same isoform.