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Product datasheet for SC334863

SURF4 (NM_001280788) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SURF4 (NM_001280788) 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_001280788, the custom clone sequence may differ by one or more nucleotides

ATGTTCCTCCGTGTCACAAAGCAGTACCTGCCCCACGTGGCGCGCCTCTGTCTGATCAGCACCTTCCTGG
AGGACGGCATCCGTATGTGGTTCCAGTGGAGCGAGCAGCGCGACTACATCGACACCACCTGGAACTGCGG
CTACCTGCTGGCCTCGTCCTTCGTCTTCCTCAACTTGCTGGGACAGCTGACTGGCTGCGTCCTGGTGTTG
AGCAGGAACTTCGTGCAGTACGCCTGCTTCGGGCTCTTTGGAATCATAGCTCTGCAGACGATTGCCTACA
GCATTTTATGGGACTTGAAGTTTTTGATGAGGAACCTGGCCCTGGGAGGAGGCCTGTTGCTGCTCCTAGC
AGAATCCCGTTCTGAAGGGAAGAGCATGTTTGCGGGCGTCCCCACCATGCGTGAGAGCTCCCCCAAACAG
TACATGCAGCTCGGAGGCAGGGTCTTGCTGGTTCTGATGTTCATGACCCTCCTTCACTTTGACGCCAGCT
TCTTTTCTATTGTCCAGAACATCGTGGGCACAGCTCTGATGATTTTAGTGGCCATTGGTTTTAAAACCAA
GCTGGCTGCTTTGACTCTTGTTGTGTGGCTCTTTGCCATCAACGTATATTTCAACGCCTTCTGGACCATT
CCAGTCTACAAGCCCATGCATGACTTCCTGAAATACGACTTCTTCCAGACCATGTCGGTGATTGGGGGCT
TGCTCCTGGTGGTGGCCCTGGGCCCTGGGGGTGTCTCCATGGATGAGAAGAAGAAGGAGTGGTAA

Restriction Sites:	SgfI-MluI
ACCN:	NM_001280788
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).

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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.
RefSeq:	NM_001280788.1, NP_001267717.1
RefSeq Size:	2923 bp
RefSeq ORF:	765 bp
Locus ID:	6836
Cytogenetics:	9q34.2
Protein Families:	Transmembrane
Gene Summary:	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] Transcript Variant: This variant (2) contains an alternate 5'-most exon and initiates translation at an alternate start codon, compared to variant 1. The encoded isoform (2) has a distinct and shorter N-terminus, compared to isoform 1.