

Product datasheet for **MC200124**

Surf1 (NM_013677) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Tag Free
Symbol:	Surf1
Synonyms:	0610010F23Rik; Surf-1
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)

Fully Sequenced ORF: >BC004755 sequence for NM_013677
CTCTTCCGGTCACGGTTCTCTTCCGACCTTGCGGGTGTGGGCAGTAGTCTCAAGCTGGGGTGTGGCGC
AAGAATGCAAGCACATCAGAGGGTGGTTCCATGATCGGAGATGCCCATCTGACGCCGACGCCACCAC
GTGAGACAGAGCGCGTCCCGGAAGGAAGCAGATTTCTCGGTCCCGAAGTGCTCAAAGATGGTGCTGT
GATGGCTTTGGCTGTGCTGCCGCGACGGATGACGCGGTGGTCGCAATGGGCCTACGCGGGACGGGCCAG
TTCTGCGCTGTGAGGAGCGCTTTGGGTTTTCTGTCCGCTCAGGGATGGTCTGTAGGCCACGCAGGT
GTTGCAGTTCTACTGCTGAAACAGCCGCCCTAAAGCAGAGGACGATTCTTTCTCCAGTGGTTCTGCT
TTTAATCCCTGCTACTGCTTTTGGCCTGGGGACTTGGCAGGTCCAACGTCGGAATGGAAGCTGAAACTT
ATTGCAGAATTAGAGTCTCGAGTCATGGCTGAGCCCATCCCTCTACCAGCAGACCCAATGGAAGTAAAA
ATTTGGAGTACAGGCCAGTGAAGGTCAGGGGCCACTTTGACCACTCTAAAGAGTTGTACATAATGCCTCG
GACCATGGTGGATCCTGTCCGAGAGGCGCAGATGCTGGCAGACTATCCTCAACTGAAAGTGGGGCCCAT
GTAGTTACTCCTTTCCATTGCTCTGACTTGGGAGTCACCATCCTGGTTAATAGAGGGTTTGTCCAGGA
AGAAAGTGAATCCTGAGACCAGACAGAAAGGCCAGGTTCTGGGAGAAGTAGACCTAGTTGGCATAGTGAG
GCTCACAGAAAACAGGAAGCCCTTTGTTCCGAGAACAGCCAGAAAGGAATCACTGGTATTATCGAGAC
CTGGAAGCTATGGCCAAGATAACAGGAGCGGACCCATTTTCATTGATGCAGACTTCCACAGCACAGCCC
CCGGCGGGGCCATCGGAGGACAGACGAGAGTACTCTGCGCAATGAGCAGATGCAGTACATCCTTACCTG
GTACGGACTGTGTGCGGCCACATCATTTGTGGTTCCAAAAATTTGTACGTCGGACACCCATCATGTGA
AGTAAGGAGCCTGTTCCCAACAACCATAAAATAAGATCTTGCTATGTAAAAAAAAAAAAAAAAA

Restriction Sites:	RsrII-NotI
ACCN:	NM_013677
Insert Size:	921 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:	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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	BC004755 , AAH04755
RefSeq Size:	1184 bp
RefSeq ORF:	921 bp
Locus ID:	20930
UniProt ID:	P09925
Cytogenetics:	2 19.1 cM
Gene Summary:	Component of the MITRAC (mitochondrial translation regulation assembly intermediate of cytochrome c oxidase complex) complex, that regulates cytochrome c oxidase assembly. [UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (1) encodes the longer isoform (1). An in-frame AUG is located 32 codons upstream of the annotated translation start site but is not being annotated as a start site since it is not conserved and is in a weak Kozak sequence context. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The extent of this transcript is supported by transcript alignments.