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Product datasheet for MC226854

Surf1 (NM_001271724) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Surf1 (NM_001271724) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Surf1
Synonyms:	0610010F23Rik; Surf-1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC226854 representing NM_001271724 Red=Cloning site Blue=ORF Orange=Stop codon TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCCGCGATCGCC ATGGCTGCTGTGATGGCTTTGGCTGTGCTGCCGCGACGGATGACGCGGTGGTCGCAATGGGCCTACGCGG GACGGGCCCAGTTCTGCGCTGTCAGGAGGAGCGTCTTTGGGTTTTCTGTCCGCTCAGGGATGGTCTGTAG GCCACGCAGGTGTTGCAGTTCTACTGCTGAAACAGCCGCCGCTAAAGCAGAGGACGATTCTTTTCTCCAG TGGTTCCTGCTTTTAATCCCTGCTACTGCTTTTGGCCTGGGGACTTGGCAGGTCCAACGTCGGAAATGGA AGCTGAAACTTATTGCAGAATTAGAGTCTCGAGTCATGGCTGAGCCCATCCCTCTACCAGCAGACCCAAT GGAACTGAAAAATTTGGAGTACAGGCCAGTGAAGGTCAGGGGCCACTTTGACCACTCTAAAGAGTTGTAC ATAATGCCTCGGACCATGGTGGATCCTGTCCGAGAGGCGCGAGATGCTGGCAGACTATCCTCAACTGAAA GTGGGGCCCATGTAGTTACTCCTTTCCATTGCTCTGACTTGGGGAAGAAAGTGAATCCTGAGACCAGACA GAAAGGCCAGGTTCTGGGAGAAGTAGACCTAGTTGGCATAGTGAGGCTCACAGAAAACAGGAAGCCCTTT GTTCCGGAGAACAGCCCAGAAAGGAATCACTGGTATTATCGAGACCTGGAAGCTATGGCCAAGATAACAG GAGCGGACCCCATTTTCATTGATGCAGACTTCCACAGCACAGCCCCCGGCGGGCCCATCGGAGGACAGAC GAGAGTGACTCTGCGCAATGAGCACATGCAGTACATCCTTACCTGGTACGGACTGTGTGCGGCCACATCA TATTTGTGGTTCCAAAAATTTGTACGTCGGACACCCATCATGTGA ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT ACAAGGATGACGACGATAAGGTTTAA
Restriction Sites:	SgfI-MluI
ACCN:	NM_001271724
Insert Size:	885 bp

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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).
OTI Annotation:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
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:	NM_001271724.1, NP_001258653.2
RefSeq Size:	1159 bp
RefSeq ORF:	885 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 (2) uses an alternate in-frame splice junction at the 5' end of an exon compared to variant 1. The resulting isoform (2) has the same N- and C-termini but is shorter compared to 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 genomic coordinates used for the transcript record were based on transcript alignments.