

Product datasheet for MR205420

Surf6 (NM_009298) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Surf6 (NM_009298) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Surf6
Synonyms:	D2Wsu129e; Surf-6
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR205420 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCTTCTCTCCTGGCCAAGGATACCTATCTTCAGGACTTGGCCAAGAAGATCTGCGCGCAGCCTGGCC
CTGAACGACAGAGGAGCACATGGGGTGTGAGAACAAAAGGCTCAGAAGCTGCTGGCGCCCCAAAAAGAA
AAGGAAGAAAACAAAAAGAAGTCTCCGGAGCAGGAACAGAAAGCTATGGATCACAAGACTAAAGCCCTG
GGCAAGAAGCCTCTACCTCTTCTAGGCCAAGAACCAATGGTATCCAACAAGAGAAGGGCTTGAGCT
CCCTGGGGTCCCCTAAAGATAGCCAAGGCACAGCACGGGAGTCTGTCTTTCGACTGGATTTCTGCGACA
GCGGCTGCATGAAAAGATCCAGCTGGCCCGGGGCCAGGGTAGCACAAGGAGTTGTCTGTGCCACTCTC
GAGAAAAGACAGCGGAGAAAGCAGGAGAGGGAACGGAAGAAGAGGAAGAGGAAGGAGCGCCAAGCAAAGC
AGCAGGTTGCAGAGGCTGAGAAAAGGAGGAGCCAGTAGAGGTGACCCCCAAAATGGCCTGCAAGGAGCT
GCAGGAATCAGGGCTGATCTTTAACAAGGTGGAAGTACTGAAGAGGAGCCAGCCAGCAAGGCCAGCGC
AAGAAGGAGAAGAGGCAGAAAAGTAAAGGGAACCTGACACCGCTCACAGGCAGGAACACAGGCAGCTGT
TGGACCGTCTGCAGGCACGGCAGGGCCGCTGGACGAGCTTCGTGATCAGGATGCAGCCAAGGCCAGGA
GCTGGAGGCCAAGATGAAGTGGACCAACTTGTGTACAAGGCTGAGGGTGTGAAGATCAGGGATGACGAA
CGCTGCTGCAGGAAGCCCTGAAGCGCAAAGAGAAGCGCCGGGCACAGCGGCAGCCAAAGTGGGAGAAGC
GTTCAGAGCATGTGGTGGAGAAGATGCAGCAGCGACAGGACAAGCGGGCCGAGAACCTGCGCAAGAAGAA
GGCAGCTCGGGCTGAGCGACGGCTACAGAAGGCCACAAGAAGGGCCGGGTGCTTCCCAGGACCTGGAG
CGTGCAGGCCTCTCC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTAA



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Protein Sequence: >MR205420 protein sequence
 Red=Cloning site Green=Tags(s)

MASLLAKDTYLQDLAKKICAQPGPERQRSTWGVRTKGSEAAAGAPKKKRKKTQKKSPEQEQAAMDHKTAL
 GKPKPTSSRPKNPMVSKQEKGLSSLGSPKDSQGTARESVFALDFLRQLHEKIQQLARGQGSTKELSAATL
 EKRQRRKQERERKKRKRKERQAKQVAAEAEKKEEPEVTPKMACKELQESGLIFNKVEVTEEEPASKAQR
 KKEKRQKVKGNL TPL TGRNYRQLLDRLQARQGRLEDEL RDQDAAKAQELEAKMKWTNLLYKAEGVKIRDDE
 RLLQEALKRKEKRRARQRKWEKRSEHVVEKMQQRQDKRRQNL RKKKAARAERRLQKAHKKGRVLPQDLE
 RAGLS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_009298

ORF Size: 1068 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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_009298.4](#)

RefSeq Size: 2593 bp

RefSeq ORF: 1068 bp

Locus ID: 20935

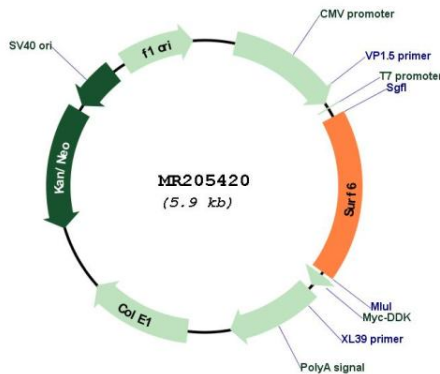
UniProt ID: [P70279](#)

Cytogenetics: 2 19.08 cM

MW: 41.2 kDa

Gene Summary: Binds to both DNA and RNA in vitro, with a stronger binding capacity for RNA. May represent a nucleolar constitutive protein involved in ribosomal biosynthesis or assembly. [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR205420