

Product datasheet for RC201379

SNURF (NM_005678) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: SNURF (NM_005678) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: SNURF
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >RC201379 representing NM_005678
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAGCGGGCAAGGGATCGCTTACACCTGAGACGAACTACAGAACAGCACGTACCAGAGGTGGAAGTCC
AAGTCAAACGCAGAAGGACTGCCTCACTGAGCAACCAAGAGTGTCAAGTTGTACCCGAGGCGTTCTCAGCA
GCAGCAAGTACCTGTGGTGGATTCCAGGCTGAAGTGAAGCAGGCATTCTTAGCTGAGACACCAAGAGGT
GGT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC201379 representing NM_005678
Red=Cloning site Green=Tags(s)
MERARDRLHLRRTTEQHVPEVEVQVKRRRTASLSNQCQLYPRRSQQQVPVDFQAE LRQAF LAETPRG
G

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk8112_c06.zip

Restriction Sites: SgfI-MluI



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Cloning Scheme:


ACCN: NM_005678

ORF Size: 213 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.

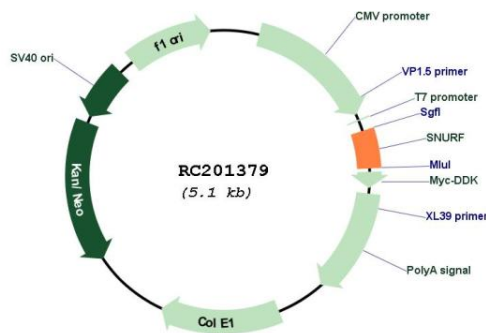
Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_005678.4](#)

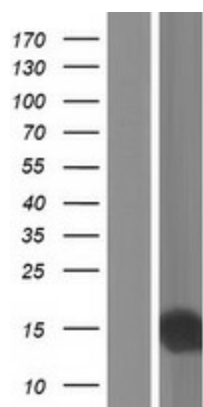
RefSeq Size: 1326 bp
RefSeq ORF: 216 bp
Locus ID: 8926
UniProt ID: [Q9Y675](#)
Cytogenetics: 15q11.2
Domains: Sm
Protein Families: Stem cell - Pluripotency
MW: 8.2 kDa

Gene Summary: This gene is located within the Prader-Willi Syndrome critical region on chromosome 15. Transcripts produced from this gene initiate at an imprinting center and are paternally-imprinted. These transcripts may be bicistronic and also encode SNRPN (small nuclear ribonucleoprotein polypeptide N) from a downstream open reading frame. The small protein represented by this gene is encoded by an evolutionarily-conserved upstream open reading frame and is localized to the nucleus. Extensive alternative splicing and promoter usage occurs in this region and the full-length nature of some of these transcripts has not been determined. Alterations in the imprinting center are associated with parental imprint switch failure, which may cause Angelman syndrome or Prader-Willi syndrome. [provided by RefSeq, Mar 2017]

Product images:



Circular map for RC201379



Western blot validation of overexpression lysate (Cat# [LY417137]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC201379 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).