

## Product datasheet for **MR202962**

### Snurf (NM\_033174) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Snurf (NM_033174) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Snurf
Synonyms:	2410045I01Rik; Snrpn
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR202962 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGACTGTGGTAAGAGTAGCAAGATGCTGCAGCACATTGACTATAGGATGAGATGTATCCTGCAAGATG  
GGAGAATCTTCATTGGCACCTTCAAGGCTTTTGACAAGCATATGAATTTGATCCTCTGTGATTGTGATGA  
GTTCCAGGAAGATCAAGCCAAAGAATGCAAACAGCCAGAACGTGAAGAAAAACGGTTTTGGGTCTGGTC  
TTGCTACGTGGGAGAATTGGTTTCAATGACTGTGGAGGGCCACCTCCTAAAGATACTGGCATTGCTC  
GTGTGCCTCTTGCTGGCGCTGCAGGTGGCCCTGGGTTGGAAGAGCAGCTGGCAGAGGAGTGCCAGCAGG  
TGTACCTATCCCGAGGCTCCTGCTGGATTAGCAGGCCCTGTGAGGAGATTGGAGGCCATCCAGCAG  
GTCATGACCCACAGGGAAGAGGCACTGTTGCAGCTGCTGCTGTTGCTGCTACTGCTAGCATTGCAGGAG  
CCCCAACCAGTACCCGCCAGGACGGGAACTCCACCTCCACCTGTAGGCAGAGCAACCCACCTCCAGG  
CATTATGGCTCCTCCACCTGGTATGAGACCACCCATGGGCCACCCATTGGGCTTCCCCCTGCTCGTGGG  
ACACCTATAGGCATGCCTCCTCCAGGAATGAGACCCCTCCACCAGGAATTAGAGGCCACCTCCCCAG  
GAATGCGCCCAAGACCC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >MR202962 protein sequence  
Red=Cloning site Green=Tags(s)

MTVGKSSKMLQHIDYRMCILQDGRIFIGTFKAFDKHMNLI LDCDCDEFKIKPKNAKQPEREEKRVLGLV  
 LLRGENLVSMTVEGPPPKDTGIARVPLAGAAGGPGVGRAAGRGPAGVP IPQAPAGLAGPVRGVGGPSQQ  
 VMTPQGRGTAAAAVAATASIAGAPTQYPPGRGTTPPPVGRATPPPGIMAPPPGMRPPMGPP IGLPPARG  
 TPIGMPPPGMRPPPGIRGPPPPGMRPPRP

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\_033174

**ORF Size:** 723 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 Size:** 1971 bp

**RefSeq ORF:** 216 bp

**Locus ID:** 84704

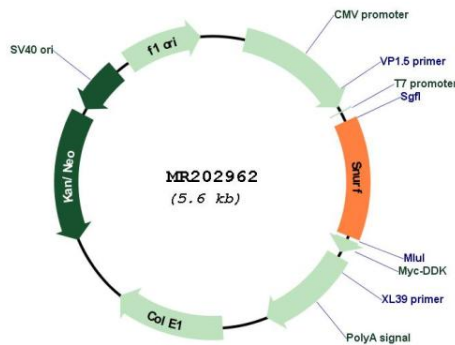
**UniProt ID:** [Q9WU12](#)

**Cytogenetics:** 7 B5

**MW:** 24.6 kDa

**Gene Summary:** This gene is located within the mouse orthologous Prader-Willi Syndrome critical region and is imprinted and expressed from the paternal allele. This transcript is thought to be bicistronic and can encode the small nuclear ribonucleoprotein polypeptide N (Snrpn) 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. [provided by RefSeq, Mar 2017]

**Product images:**



Circular map for MR202962