

## Product datasheet for SC112432

### SNURF (NM\_022804) Human Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** SNURF (NM\_022804) Human Untagged Clone  
**Tag:** Tag Free  
**Symbol:** SNURF  
**Mammalian Cell Selection:** None  
**Vector:** pCMV6-XL5  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**Fully Sequenced ORF:** >OriGene ORF within SC112432 sequence for NM\_022804 edited (data generated by NextGen Sequencing)  
 ATGGAGCGGGCAAGGGATCGCTTACACCTGAGACGAACTACAGAACAGCAGTACCAGAG  
 GTGGAAGTCCAAGTCAAACGCAGAAGGACTGCCTCACTGAGCAACCAAGAGTGTCAGTTG  
 TACCCGAGGCGTTCTCAGCAGCAGCAAGTACCTGTGGTGGATTTCCAGGCTGAACTGAGG  
 CAGGCATTCTTAGCTGAGACACCAAGAGGTGGTTAA

Clone variation with respect to NM\_022804.2

**5' Read Nucleotide Sequence:** >OriGene 5' read for NM\_022804 unedited  
 TAATACGACTCACTATAGGGCGGCCGAATTCGGCACGAGGGATGCCTGACGCATCTGT  
 CTGAGGAGCGGTCAAGTACGCGATGGAGCGGGCAAGGGATCGCTTACACCTGAGACGAA  
 TACAGAACAGCAGTACCAGAGGTGGAAGTCCAAGTCAAACGCAGAAGGACTGCCTCACT  
 GAGCAACCAAGAGTGTCAGTTGTACCCGAGGCGTTCTCAGCAGCAGCAAGTACCTGTGGT  
 GGATTTCCAGGCTGAACTGAGGCAGGCATTCTTAGCTGAGACACCAAGAGGTGGTTAAAG  
 CCATATTGGAGTAGCGAGGAATCTGATTCCAAGCAAAAACCAGGCTCCATCTACTCTTTG  
 AAGCTTCTGCCAGCTTGCATTGTTTCTAGGAGAACCTGCGTCATACCTTTATCTATAGC  
 CTTCCCTAGGTCTTCAAGCATCAAGTTTTAACTGTGGACATTGGATTTGGTGGAAACA  
 GCAATCATGACTGTTGGCAAGAGTAGCAAGATGCTGCAGCACATTGACTATAGAATGAGA  
 TGTATCCTGCAAGATGGCCGAATCTTCATTGGCACCTTTAAGGCTTTTGACAAGCATATG  
 AATTTGATCCTCTGTGATTGTGATGAGTTCAGAAAGATCAAGCCAAAGAATGCGAAGCAA  
 CCAGAGCGTGAAAAAGCGGGTTTTGGGGTCTGGGTGGTCTGCGTGGGGAGAACTTGGT  
 ATCCATGACTGTGNGAGGNGCCACCCCCANAGATACTGGCATTGCTCGGNTACCCAC  
 TTGCTGAGCTGCTGGNAGCCCCTGNNNGTGTAGGGCANCTGTAAAAGGATACCANCTG  
 GTGTGCCATTCAGCCCTGCTGATNGNCAGCCCTGTCCAAGGGATTGGGGGACATN  
 CCANCAGTATGACTCCAGGNA

**Restriction Sites:** NotI-NotI  
**ACCN:** NM\_022804



<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
<b>RefSeq:</b>	<u><a href="#">NM_022804.1</a></u> , <u><a href="#">NP_073715.1</a></u>
<b>RefSeq Size:</b>	347 bp
<b>RefSeq ORF:</b>	216 bp
<b>Locus ID:</b>	8926
<b>UniProt ID:</b>	<u><a href="#">Q9Y675</a></u>
<b>Cytogenetics:</b>	15q11.2
<b>Protein Families:</b>	Stem cell - Pluripotency
<b>Gene Summary:</b>	<p>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]</p> <p>Transcript Variant: This variant (2) lacks multiple 3' exons and contains an alternate 3' UTR compared to variant 1. This variant is monocistronic and cannot encode the SNRPN protein.</p>