

## Product datasheet for **RG201250**

### SNRPD2 (NM\_177542) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	SNRPD2 (NM_177542) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	SNRPD2
Synonyms:	Sm-D2; SMD2; SNRPD1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG201250 representing NM_177542 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGAGCCTCTCAACAAGCCCAAGAGTGAGATGACCCAGAGGAGCTGCAGAAGCGAGAGGAGGAGGAAT  
TTAACACCGGTCCACTCTCTGTGCTCACACAGTCAGTCAAGAACAATACCCAAGTGCTCATCAACTGCCG  
CAACAATAAGAACTCCTGGCCGCGTGAAGGCCTTCGATAGGCACTGCAACATGGTCTGGAGAACGTG  
AAGGAGATGTGGACTGAGGTACCCAAGAGTGGCAAGGCAAGAAGAAGTCCAAGCCAGTCAACAAAGACC  
GCTACATCTCCAAGATGTTCTCGCGGGGACTCAGTCATCGTGGTCTCGGAACCCGCTCATCGCCGG  
CAAG

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:	>RG201250 representing NM_177542 Red=Cloning site Green=Tags(s)
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MSLLNPKPKSEMPPEELQKREEEEFNTGPLSVLTQSVKNNTQVLINCRNKKLLGRVKAFDRHCNMVLENV  
KEMWTEVPKSGKGGKSKPVNKDRYISKMFLRGDSVIVVLRNPLIAGK

**TRTRPLE** - GFP Tag - V

Restriction Sites:	Sgfl-MluI
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**Cloning Scheme:**


**ACCN:** NM\_177542

**ORF Size:** 354 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.

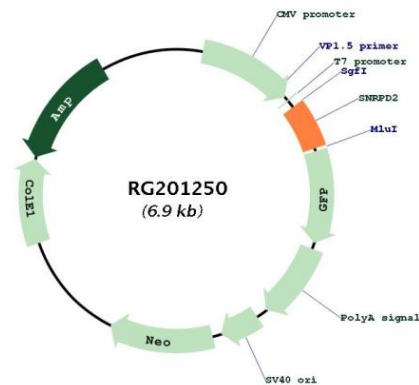
**RefSeq:** [NM\\_177542.1](#), [NP\\_808210.1](#)

**RefSeq Size:** 876 bp

**RefSeq ORF:** 327 bp

Locus ID:	6633
UniProt ID:	<a href="#">P62316</a>
Cytogenetics:	19q13.32
Protein Pathways:	Spliceosome
Gene Summary:	The protein encoded by this gene belongs to the small nuclear ribonucleoprotein core protein family. It is required for pre-mRNA splicing and small nuclear ribonucleoprotein biogenesis. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, May 2009]

### Product images:



Circular map for RG201250