

## Product datasheet for **RG235492**

### SNRPD1 (NM\_001291916) Human Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** SNRPD1 (NM\_001291916) Human Tagged ORF Clone  
**Tag:** TurboGFP  
**Symbol:** SNRPD1  
**Synonyms:** HsT2456; Sm-D1; SMD1; SNRPD  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PS100010)  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**ORF Nucleotide Sequence:** >RG235492 representing NM\_001291916.  
 Blue=ORF Red=Cloning site Green=Tag(s)

GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG  
 GATCCGGTACCGAGGAGATCTGCCGCC**GCGATCGCC**  
**ATGAAGCTCGTGAGATTTTGTGAAATTGAGTCATGAACTGTAACCATTGAATTGAAGAACGGAACA**  
**CAGGTCCATGGAACAATCACAGACAGTTTACCTCTGGATACACTACTTGTGGATGTTGAACCTAAGGTG**  
**AAATCTAAGAAAAGGGAAGCTGTTGCAGGAAGAGGCAGAGGAAGAGGAAGAGGACGTGGCCGT**  
**GGCAGAGGAAGAGGGGGCTAGGCCA**  
**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC

**Protein Sequence:** >Peptide sequence encoded by RG235492  
 Blue=ORF Red=Cloning site Green=Tag(s)

**MKLVRFMLKLSHETVTIELKNGTQVHGTTDLSPLDTLLVDVEPKVKSKKREAVAGRGRGRGRGRGRGR**  
**GRGRGGPRR**  
**TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGEGTPEQGRMTNKMSTKGALTFSPYLLSHV**  
**MGYGFYHFGTYPSGYENPFLHAINNGGYNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPEP**  
**SVIFTDKIIRSNAATVEHLHPMGDNDLDGSFTRTFSLRDGGYSSVVDSHMHFKSAIHPISILQNGGPMFA**  
**FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV**

**Restriction Sites:** SgfI-MluI



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<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<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>RefSeq:</b>	<a href="#">NM_001291916.2</a>
<b>RefSeq Size:</b>	1514 bp
<b>RefSeq ORF:</b>	237 bp
<b>Locus ID:</b>	6632
<b>UniProt ID:</b>	<a href="#">P62314</a>
<b>Cytogenetics:</b>	18q11.2
<b>Protein Families:</b>	Druggable Genome, Stem cell - Pluripotency
<b>Protein Pathways:</b>	Spliceosome, Systemic lupus erythematosus
<b>MW:</b>	9.1 kDa
<b>Gene Summary:</b>	This gene encodes a small nuclear ribonucleoprotein that belongs to the SNRNP core protein family. The protein may act as a charged protein scaffold to promote SNRNP assembly or strengthen SNRNP-SNRNP interactions through nonspecific electrostatic contacts with RNA. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, May 2014]