

# Product datasheet for MG200559

# Snrpd1 (NM\_009226) Mouse Tagged ORF Clone

## **Product data:**

#### OriGene Technologies, Inc.

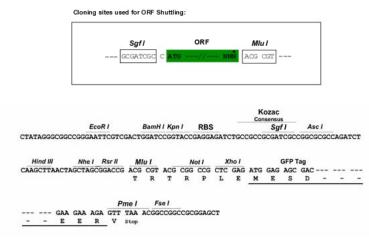
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Product Type:	Expression Plasmids
Product Name:	Snrpd1 (NM_009226) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Snrpd1
Synonyms:	AA407109; AL023031; SMD1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG200559 representing NM_009226 Red=Cloning site Blue=ORF Green=Tags(s)
	TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCC <mark>GCGATCGC</mark> C
	ATGAAGCTCGTGAGATTTTTGATGAAATTGAGTCATGAAACTGTAACCATTGAATTGAAGAATGGGACAC AAGTCCATGGAACAATCACAGGTGTAGATGTCAGCATGAACACACAC
	ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA
Protein Sequence:	>MG200559 representing NM_009226 Red=Cloning site Green=Tags(s)
	MKLVRFLMKLSHETVTIELKNGTQVHGTITGVDVSMNTHLKAVKMTLKNREPVQLETLSIRGNNIRYFIL PDSLPLDTLLVDVEPKVKSKKREAVAGRGRGRGRGRGRGRGRGRGRGRGRGR
	TRTRPLE - GFP Tag - V
<b>Restriction Sites:</b>	Sgfl-Mlul

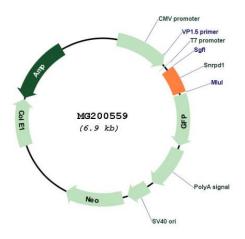


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#### **Cloning Scheme:**



**Plasmid Map:** 



ACCN.	
ORF Size:	
OTI Disclaimer:	

ACCNI

### NM\_009226

#### 357 bp

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. <u>More info</u>

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Snrpd1 (NM_009226) Mouse Tagged ORF Clone – MG200559	
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:	<ol> <li>Centrifuge at 5,000xg for 5min.</li> <li>Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>Close the tube and incubate for 10 minutes at room temperature.</li> <li>Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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>
RefSeq:	<u>NM 009226.4, NP 033252.1</u>
RefSeq Size:	838 bp
RefSeq ORF:	360 bp
Locus ID:	20641
UniProt ID:	<u>P62315</u>
Cytogenetics:	18 A1
Gene Summary:	Plays role in pre-mRNA splicing as core component of the SMN-Sm complex that mediates spliceosomal snRNP assembly and as component of the spliceosomal U1, U2, U4 and U5 small nuclear ribonucleoproteins (snRNPs), the building blocks of the spliceosome. Component of both the pre-catalytic spliceosome B complex and activated spliceosome C complexes. Is also a component of the minor U12 spliceosome. May act as a charged protein scaffold to promote snRNP assembly or strengthen snRNP-snRNP interactions through non- specific electrostatic contacts with RNA.[UniProtKB/Swiss-Prot Function]

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