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Product datasheet for MR202952L4V

Snrpn (NM_001082962) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Snrpn (NM_001082962) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Snrpn
Synonyms:	2410045I01Rik; HCERN3; Peg; Peg4; Pwc; sm-D; SMN; snRNP-N
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_001082962
ORF Size:	723 bp
ORF Nucleotide Sequence:	`The ORF insert of this clone is exactly the same as(MR202952).`
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.
RefSeq:	NM_001082962.1
RefSeq Size:	2076 bp
RefSeq ORF:	723 bp
Locus ID:	20646
UniProt ID:	P63163
Cytogenetics:	7 34.04 cM

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Gene Summary: This locus represents a paternally-expressed imprinted gene that encodes a component of the small nuclear ribonucleoprotein complex, which functions in pre-mRNA processing. Genomic and genetic changes in this region result in growth defects and lethality; the corresponding region in human is the critical region for Prader-Willi Syndrome. Alternative promoter use and alternative splicing result in a multitude of transcript variants encoding the same protein. Transcript variants may be bicistronic and also encode the SNRPN upstream reading frame protein (Snurf) from an upstream open reading frame. In addition, long spliced transcripts for small nucleolar RNA host gene 14 (Snhg14) may originate from the promoters at this locus and incorporate exons shared with this gene. [provided by RefSeq, Mar 2017]