

## Product datasheet for **MR206649L3V**

### Smpd2 (NM\_009213) Mouse Tagged ORF Clone Lentiviral Particle

#### Product data:

Product Type:	Lentiviral Particles
Product Name:	Smpd2 (NM_009213) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Smpd2
Synonyms:	AW108287; nSMase; nSMase1
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_009213
ORF Size:	1260 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR206649).
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. <a href="#">More info</a>
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:	<a href="#">NM_009213.2</a> , <a href="#">NP_033239.1</a>
RefSeq Size:	1621 bp
RefSeq ORF:	1260 bp
Locus ID:	20598
UniProt ID:	<a href="#">O70572</a>
Cytogenetics:	10 B1



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**Gene Summary:**

This gene encodes a protein with similarity to the human nSMase1 protein. In humans, the nSMase1 protein was initially identified as a sphingomyelinase based on sequence similarity between bacterial sphingomyelinases and a yeast protein. Subsequent studies showed that its biological function is less likely to be as a sphingomyelinase and instead as a lysophospholipase. [provided by RefSeq, Oct 2009]