

## Product datasheet for **MR221935L3V**

### **S100a1 (NM\_011309) Mouse Tagged ORF Clone Lentiviral Particle**

#### **Product data:**

Product Type:	Lentiviral Particles
Product Name:	S100a1 (NM_011309) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	S100a1
Synonyms:	A1266795; S100; S100a
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_011309
ORF Size:	282 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR221935).
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_011309.3</a> , <a href="#">NP_035439.1</a>
RefSeq Size:	615 bp
RefSeq ORF:	285 bp
Locus ID:	20193
UniProt ID:	<a href="#">P56565</a>
Cytogenetics:	3 39.24 cM



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**Gene Summary:**

Probably acts as a Ca(2+) signal transducer. In response to an increase in intracellular Ca(2+) levels, binds calcium which triggers a conformational change. This conformational change allows interaction of S1001A with specific target proteins, such as TPR-containing proteins, and the modulation of their activity.[UniProtKB/Swiss-Prot Function]