

## Product datasheet for **MR219322L4V**

### Syvn1 (NM\_001164709) Mouse Tagged ORF Clone Lentiviral Particle

#### Product data:

Product Type:	Lentiviral Particles
Product Name:	Syvn1 (NM_001164709) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Syvn1
Synonyms:	1200010C09Rik; AW211966; C85322; D530017H19Rik; Hrd1
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_001164709
ORF Size:	1836 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR219322).
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_001164709.1</a> , <a href="#">NP_001158181.1</a>
RefSeq Size:	3103 bp
RefSeq ORF:	1839 bp
Locus ID:	74126
UniProt ID:	<a href="#">Q9DBY1</a>
Cytogenetics:	19 A



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**Gene Summary:**

Acts as an E3 ubiquitin-protein ligase which accepts ubiquitin specifically from endoplasmic reticulum-associated UBC7 E2 ligase and transfers it to substrates, promoting their degradation (PubMed:12975321, PubMed:15611074). Component of the endoplasmic reticulum quality control (ERQC) system also called ER-associated degradation (ERAD) involved in ubiquitin-dependent degradation of misfolded endoplasmic reticulum proteins (PubMed:12975321, PubMed:15611074). Also promotes the degradation of normal but naturally short-lived proteins such as SGK. Protects cells from ER stress-induced apoptosis. Sequesters p53/TP53 in the cytoplasm and promotes its degradation, thereby negatively regulating its biological function in transcription, cell cycle regulation and apoptosis (PubMed:17170702). Required for embryogenesis (PubMed:15611074). Mediates the ubiquitination and subsequent degradation of cytoplasmic NFE2L1 (PubMed:21911472). [UniProtKB/Swiss-Prot Function]