

Product datasheet for **MR227441L4V**

Gemin2 (NM_025656) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

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|---------------------------|--|
| Product Type: | Lentiviral Particles |
| Product Name: | Gemin2 (NM_025656) Mouse Tagged ORF Clone Lentiviral Particle |
| Symbol: | Gemin2 |
| Synonyms: | gemin-2; S; Sip1 |
| Mammalian Cell Selection: | Puromycin |
| Vector: | pLenti-C-mGFP-P2A-Puro (PS100093) |
| Tag: | mGFP |
| ACCN: | NM_025656 |
| ORF Size: | 807 bp |
| ORF Nucleotide Sequence: | The ORF insert of this clone is exactly the same as(MR227441). |
| 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_025656.4 , NP_079932.2 |
| RefSeq Size: | 1106 bp |
| RefSeq ORF: | 810 bp |
| Locus ID: | 66603 |
| UniProt ID: | Q9CQQ4 |
| Cytogenetics: | 12 C1 |



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Gene Summary:

This gene encodes one of the proteins found in the survival of motor neuron (SMN) complex, which consists of the SMN protein and several gemin proteins. The SMN complex is localized to a subnuclear compartment called gems (gemini of coiled bodies) and is required for assembly of spliceosomal small nuclear ribonucleoproteins (snRNP) and for pre-mRNA splicing. This protein interacts directly with the SMN protein and it is required for formation of the SMN complex. Disruption of this gene in mouse resulted in impaired snRNP assembly, and motor neuron degeneration. [provided by RefSeq, Sep 2015]