

## Product datasheet for **RC200165L3V**

### Gemin 8 (GEMIN8) (NM\_001042479) Human Tagged ORF Clone Lentiviral Particle

#### Product data:

|                           |  |
|---------------------------|--|
| Product Type:             | Lentiviral Particles   |
| Product Name:             | Gemin 8 (GEMIN8) (NM_001042479) Human Tagged ORF Clone Lentiviral Particle   |
| Symbol:                   | Gemin 8  |
| Synonyms:                 | FAM51A1  |
| Mammalian Cell Selection: | Puromycin  |
| Vector:                   | pLenti-C-Myc-DDK-P2A-Puro (PS100092)   |
| Tag:                      | Myc-DDK  |
| ACCN:                     | NM_001042479   |
| ORF Size:                 | 726 bp   |
| ORF Nucleotide Sequence:  | The ORF insert of this clone is exactly the same as(RC200165).   |
| 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_001042479.1</a>   |
| RefSeq Size:              | 3171 bp  |
| RefSeq ORF:               | 729 bp   |
| Locus ID:                 | 54960  |
| UniProt ID:               | <a href="#">Q9NWZ8</a>   |
| Cytogenetics:             | Xp22.2   |
| MW:                       | 28.6 kDa   |



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**Gene Summary:**

The protein encoded by this gene is part of the SMN complex, which is necessary for spliceosomal snRNP assembly in the cytoplasm and pre-mRNA splicing in the nucleus. The encoded protein binds to both SMN1 and the GEMIN6/GEMIN7 heterodimer, mediating their interaction. This protein is found in nuclear Gemini of Cajal bodies (gems) and in the cytoplasm. Three transcript variants encoding the same protein have been found for this gene. [provided by RefSeq, May 2010]