

## Product datasheet for **RG203184**

### Gemin 7 (GEMIN7) (NM\_024707) Human Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Gemin 7 (GEMIN7) (NM\_024707) Human Tagged ORF Clone  
**Tag:** TurboGFP  
**Symbol:** Gemin 7  
**Synonyms:** SIP3  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PS100010)  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**ORF Nucleotide Sequence:** >RG203184 representing NM\_024707  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGCAAACCCAGTGAACATTCCTGTCCTGCTCCGGCTGCCCGGGCCCTGATGGCTTCAGCCGTG  
 GCTTTGCCCTGATGGACGACAGCCCCCTTGAGGCCAGAGGTTCTGAAATCCAGGAGTGTCCCATAGC  
 TCAAGAATCCCTGGAATCCAGGAGCAGCGGGCACGAGCCGCCCTTCGGGAGCGTTACCTCCGACGCTG  
 CTGGCCATGGTGGGTATCAGGTGAGCTTACGTTGCACGAGGGTGTGCGTGTGGCCGCCACTTTGGAG  
 CCACCGACCTGGATGTGGCAACTTCTACGTGTCACAGCTGCAGACTCCCATAGGTGTGCAAGCAGAGGC  
 GCTGCTCCGATGTAGTGACATTATTCATATACCTTCAAGCCA

**ACGCGTACGCGGCCGCTCGAG** - GFP Tag - GTTTAA

**Protein Sequence:** >RG203184 representing NM\_024707  
 Red=Cloning site Green=Tags(s)  
 MQTPVNI PVPVLRRLPRGPDGFSRGFAPDGRRAPLRPEVPEIQECPAQESLESQEQRARAALRERYLRSL  
 LAMVGHQVSFTLHEGVRVAHFATDLVDVNFYVSQLQTPIGVQAEALLRCSDIISYTFKP

**TRTRPLE** - GFP Tag - V

**Restriction Sites:** Sgfl-MluI



[View online »](#)

**Cloning Scheme:**


**ACCN:** NM\_024707

**ORF Size:** 393 bp

**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.

**Components:** The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

- Reconstitution Method:**
1. Centrifuge at 5,000xg for 5min.
  2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
  3. Close the tube and incubate for 10 minutes at room temperature.
  4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
  5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

**RefSeq:** [NM\\_024707.3](#)

**RefSeq Size:** 1647 bp

**RefSeq ORF:** 396 bp

Locus ID: 79760

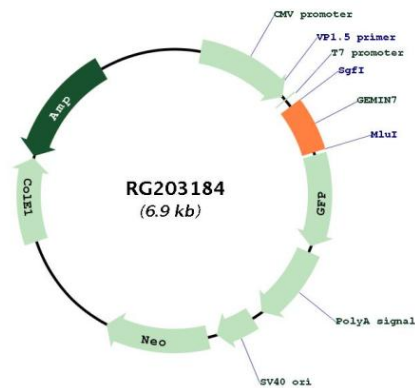
UniProt ID: [Q9H840](#)

Cytogenetics: 19q13.32

Protein Families: Stem cell - Pluripotency

Gene Summary: The protein encoded by this gene is a component of the core SMN complex, which is required for pre-mRNA splicing in the nucleus. The encoded protein is found in the nucleoplasm, in nuclear "gems" (Gemini of Cajal bodies), and in the cytoplasm. Three transcript variants encoding the same protein have been found for this gene. [provided by RefSeq, Jul 2008]

### Product images:



Circular map for RG203184