

Product datasheet for **SC320169**

Gemin 7 (GEMIN7) (NM_024707) Human Untagged Clone

Product data:

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| Product Type: | Expression Plasmids |
| Product Name: | Gemin 7 (GEMIN7) (NM_024707) Human Untagged Clone |
| Tag: | Tag Free |
| Symbol: | Gemin 7 |
| Synonyms: | SIP3 |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-AC (PS100020) |
| E. coli Selection: | Ampicillin (100 ug/mL) |
| Fully Sequenced ORF: | <p>>OriGene sequence for NM_024707.2</p> <pre>GGTCGCCAGCAGGTTCCCTCTCCCCGGCCCCAGCTCTGGACGCTCACCCAGTGCACCGC CCTGAGTGACGGAAAGAGGTCTGGCGGCTTCTCTGTTGACAACCTCAGCTGGTCCACACC CTGGCAATTGTGAAGAGTTGGCCAAATGTTTGTCCACTGAGCTGATCTCCTCTCTGGAGC ACCGGGGCCACCCAGGAGGGAGCCAAAGACAATGCAAACTCCAGTGAACATTCCTGCTG TGCTCCGGCTGCCCGGGGCCCTGATGGCTTACGCCGTGGCTTTGCCCTGATGGACGCA GAGCCCCCTTGAGGCCAGAGGTTCTGAAATCCAGGAGTGTCCATAGCTCAAGAATCCC TGGAAATCCAGGAGCAGCGGGCACGAGCCGCCCTTCGGGAGCGTTACCTCCGAGCCTGC TGGCCATGGTGGGTCATCAGGTGAGCTTACGTTGCACGAGGGTGTGCGTGTGGCCGCC ACTTTGGAGCCACCGACCTGGATGTGGCCAACTTCTACGTGTACAGCTGCAGACTCCCA TAGGTGTGCAAGCAGAGGCGCTGCTCCGATGTAGTGACATTATTTTCATATACCTTCAAGC CATAAAGATATTGTGTTCACTTTTCTGCTTGAGGCTAAGGCACTGTATCCAGGCCTCCC AATGTTCCCGAGCCAGGAACTCTGGGCCCATGGAGTTATGAGCTCCCTTGAATTTTGA GCCAAGCTTTAAGCAAGTCTGGACTCCTGAGACCTCCTGGGTCTAGTCAGTAAAATTCTG CAACTCTAGGAATTCTAAGATCCCATTTGGAAGGAATGCTTACCTCACAGAACTCTGAAC CCTACAGAAATATGGGCCTGCTGCCATTTCTGAAGACCGGGGCATCGGGGTGGGGTGTG AAAGGATACAACCTGCACAGGGGGAAGTTATTAAGAGGCTGCAAAGTCCAGCCACCCTG AAGATACTCCCCAGTGCTCCCCCTCTGCTAAAGAACCAGTTACCCAGGAAAAAAAAAAAA AAAAAAAAAAAA</pre> |
| Restriction Sites: | Please inquire |
| ACCN: | NM_024707 |



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| OTI Disclaimer: | Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP). |
| OTI Annotation: | This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA. |
| 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: | <ol style="list-style-type: none"> 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: | <u>NM_024707.2, NP_078983.1</u> |
| RefSeq Size: | 1647 bp |
| RefSeq ORF: | 396 bp |
| Locus ID: | 79760 |
| UniProt ID: | <u>Q9H840</u> |
| Cytogenetics: | 19q13.32 |
| Protein Families: | Stem cell - Pluripotency |
| Gene Summary: | <p>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]</p> <p>Transcript Variant: This variant (1) represents the longest transcript. All five variants encode the same protein.</p> |