

Product datasheet for SC301203

Gemin 7 (GEMIN7) (NM_001007270) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Gemin 7 (GEMIN7) (NM_001007270) Human Untagged Clone
Tag:	Tag Free
Symbol:	Gemin 7
Synonyms:	SIP3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC301203 representing NM_001007270. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTGTAGTGAACCGTCAGAATTTGTAAACGACTACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGCAAATCCAGTGAACATTCCCGTGCCTGTGCTCCGGCTGCCCGGGGCCCTGATGGCTTCAGCCGT
GGCTTTGCCCTGATGGACGCAGAGCCCTTGAGGCCAGAGGTTCTGAAATCCAGGAGTGTCCCAT
GCTCAAGAATCCCTGGAATCCCAGGAGCAGCGGGCAGAGCCGCCCTTCGGGAGCGTTACCTCCGCAGC
CTGCTGGCCATGGTGGGTATCAGGTGAGCTTACGTTGCACGAGGGTGTGCGTGTGGCCGCCACTTT
GGAGCCACCGACCTGGATGTGGCAACTTCTACGTGTCACAGCTGCAGACTCCCATAGGTGTGCAAGCA
GAGGCGCTGCTCCGATGTAGTGACATTATTCATATACCTTCAAGCCATAA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGCGC
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Restriction Sites:	SgfI-MluI
ACCN:	NM_001007270
Insert Size:	396 bp
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.



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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_001007270.1</u>
RefSeq Size:	1561 bp
RefSeq ORF:	396 bp
Locus ID:	79760
UniProt ID:	<u>Q9H840</u>
Cytogenetics:	19q13.32
Protein Families:	Stem cell - Pluripotency
MW:	14.5 kDa
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 (3) differs in the 5' UTR compared to variant 1. All five variants encode the same protein.</p>