

Product datasheet for **SC122968**

Gemin 6 (GEMIN6) (NM_024775) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Gemin 6 (GEMIN6) (NM_024775) Human Untagged Clone
Tag:	Tag Free
Symbol:	Gemin 6
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene sequence for NM_024775 edited

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TTGCTGAGTACCCAGAGTTGCGAGGAGTTTTTTAACTGATTTAGCCAGGTGGCAATCATG
AGTGAATGGATGAAGAAAGGCCCTTAGAATGGCAAGATTACATTTACAAAGAGGTCCGA
GTGACAGCCAGTGAGAAGAATGAGTATAAAGGATGGGTTTTAACTACAGACCCAGTCTCT
GCCAATATTGTCCCTTGTGAACCTCCTTGAAGATGGCAGCATGTCTGTGACCGGAATTATG
GGACATGCTGTGCAGACTGTTGAACTATGAATGAAGGGGACCATAGAGTGAGGGAGAAG
CTGATGCATTTGTTACGTCTGGAGACTGCAAAGCATACAGCCCAGAGGATCTGGAAGAG
AGAAAGAACAGCCTAAAGAAATGGCTTGAGAAGAACCACATCCCCATCACTGAACAGGGA
GACGCTCCAAGGACTCTCTGTGTGGCTGGGGTCTGACTATAGACCCACCATATGATCCA
GAAAATTGCAGCAGCTCTAATGAGATTATTCTGTGCGGTGTTGAGGATCTTATTGAAGGA
CATCTTACAGCTTCCCAATGAGAGGCCAGGAAGTGTGAACATACTGATAGAAAAAGACTA
TATTTTATCCCTCATAAAATGTTTTAAATGTAAAAAAAAAAAAAAAA
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5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_024775 unedited NNNNNGGTTGTCTCGTCATATTTGTNATNACGNACTTCACTNANAGGGGCGGCGCGCNA ATTCCCGGGTATCGTCGACCCACGCGTCCGTTGCTGAGTACCCAGAGTTGCGAGGAGTT TTTTAACTGATTTAGCCAGGTGGCAATCATGAGTGAATGGATGAAGAAAGGCCCTTAGA ATGGCAAGATTACATTTACAAAGAGGTCCGAGTGACAGCCAGTGAGAAGAATGAGTATAA AGGATGGGTTTTAACTACAGACCCAGTCTCTGCCAATATTGTCCTTGTGAACTTCCTTGA AGATGGCAGCATGTCTGTGACCGGAATTATGGGACATGCTGTGCAGACTGTTGAAACTAT GAATGAAGGGGACCATAGAGTGAGGGAGAAGCTGATGCATTTGTTACAGTCTGGAGACTG CAAAGCATACAGCCAGAGGATCTGGAAGAGAGAAAGAACAGCCTAAAGAATGGCTTGA GAAGAACCACATCCCATCACTGAACAGGGAGACGCTCCAAGGACTCTCTGTGTGGCTGG GGTCTGACTATAGACCCACCATATGATCCAGAAAATTGCAGCAGCTCTAATGAGATTAT TCTGTGCGGTGTTGAGGATCTTATTGAAGGACATCTTACAGCTTCCCAATGAGAGGCCAG GAAGTGTGAACATACTGATAGAAAAAGACTATATTTTATCCCTCATAAAATGTTTTAAAT GTAAAAAAAAAAAAAAAAAGGGCGGCCGGTCATAGCTGTTTCCCTGACAGATCCCGGGTG GCATCCCTGTGACCCCTCCCAAGTGCCTCTCTGCCCCTGAAAAGTGCCACTCCGTGCC ACCAGCCTTGCTTAATAAAATAAAGTGCATCATTTTGTCTGACTAGGTGTCCTTCTATA A</p>
Restriction Sites:	Please inquire
ACCN:	NM_024775
Insert Size:	646 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).
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:	NM_024775.9 , NP_079051.9
RefSeq Size:	705 bp
RefSeq ORF:	504 bp
Locus ID:	79833
UniProt ID:	Q8WXD5
Cytogenetics:	2p22.1
Protein Families:	Druggable Genome, Stem cell - Pluripotency

Gene Summary:

GEMIN6 is part of a large macromolecular complex, localized to both the cytoplasm and the nucleus, that plays a role in the cytoplasmic assembly of small nuclear ribonucleoproteins (snRNPs). Other members of this complex include SMN (MIM 600354), GEMIN2 (SIP1; MIM 602595), GEMIN3 (DDX20; MIM 606168), GEMIN4 (MIM 606969), and GEMIN5 (MIM 607005). [supplied by OMIM, Jul 2002]