

Product datasheet for **SC323908**

Gemin 4 (GEMIN4) (NM_015721) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Gemin 4 (GEMIN4) (NM_015721) Human Untagged Clone
Tag:	Tag Free
Symbol:	Gemin 4
Synonyms:	HC56; HCAP1; HHRF-1; NEDMCR; p97
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM_015721.2
 CTCGGAGGGGAGGGGCGTTAGCCCCGCGCAGCCGCGCGCTCGCCGCCATGGACCTAGG
 ACCCTTGAACATCTGTGAAGAAATGACTATTCTGCATGGAGGCTTCTTGCTGGCCGAGCA
 GCTGTTCCACCCTAAGGCACTGGCAGAATTAACAAAGTCTGACTGGGAACGTGTTGGACG
 GCCCATCGTGGAGCCTTAAGGGAGATCTCCTCGGCTGCAGCACACTCCCAGCCCTTTGC
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 CCCGTCGGACACAGAGACACGGTGGCAGGAAGACCTGTTCTTCTCGTGGGCAACATGAT
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AAAAAA

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- Restriction Sites:** ECoRI-NOT
- ACCN:** NM_015721
- 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:

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_015721.2](#), [NP_056536.2](#)

RefSeq Size: 3757 bp

RefSeq ORF: 3177 bp

Locus ID: 50628

UniProt ID: [P57678](#)

Cytogenetics: 17p13.3

Protein Families: Druggable Genome

Gene Summary: The product of this gene is part of a large complex localized to the cytoplasm, nucleoli, and to discrete nuclear bodies called Gemini bodies (gems). The complex functions in spliceosomal snRNP assembly in the cytoplasm, and regenerates spliceosomes required for pre-mRNA splicing in the nucleus. The encoded protein directly interacts with a DEAD box protein and several spliceosome core proteins. Alternatively spliced transcript variants have been described, but their biological validity has not been determined. [provided by RefSeq, Jul 2008]