

Product datasheet for SC111260

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:	None
Vector:	<u>pCMV6-XL6</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC111260 sequence for NM_015721 edited (data generated by NextGen Sequencing)

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ATGGACCTAGGACCCCTTGAACATCTGTGAAGAAATGACTATTCTGCATGGAGGCTTCTTG
CTGGCCGAGCAGCTGTTCCACCCTAAGGCACTGGCAGAATTAACAAAGTCTGACTGGGAA
CGTGTTGGACGGCCCATCGTGGAGGCCTTAAGGGAGATCTCCTCGGCTGCAGCAGACTCC
CAGCCCTTTGCCTGGAAGAAGAAAGCCCTGATCATCATCTGGGCCAAGGTTCTGCAGCCG
CACCCCGTGACCCCGTCCGACACAGAGACACGGTGGCAGGAAGACCTGTTCTTCTCGGTG
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GCTTCTGGACTCTTTATCCAGCTCCTGATGGCCCTGCCACCACCATCTGCCATGCAGAA
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TCTGTGAGCTCCTTGTCCAGAGGGCACACGAGCAGTGTCTTAAAGTCCATTGCTGAG
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Clone variation with respect to NM_015721.2
 1077 g=>a;1348 c=>g;1736 c=>g;2051 g=>a;2785 g=>a;2868 g=>a;3097 c=>t

5' Read Nucleotide Sequence:

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>OriGene 5' read for NM_015721 unedited
NTTCTTACCCCGCCCGTTGNCGCAATGGGCGGTCTGCGTGTACGGTGGGAGGTCTATAT
AAGCAGAGCTCATTTAGGTGACACTATAGAATACAAGCTACTTGTCTTTTTGCAGCGGC
CGCGAATTCGTACAGAGGTGCGTCTCCATCGTGCCGTGCGTCCCAGCCCGCTTCGAGT
TCTCGGAGGGGAGGGGGCTTAGCCCCGCGCAGCCCGCGCTGCCGCCATGGACCTAG
GACCCTTGAACATCTGTGAAGAAATGACTATTCTGCATGGAGGCTTCTTGTGGCCGAGC
AGCTGTTCCACCCTAAGGCACTGGCAGAATTCTACAAAGTCTGACTGGGAACGTGTTGGA
CGGCCATCGTGGAGGCCTTAAGGGAGATCTCCTCGGCTGCAGCACACTCCAGCCCTTT
GCCTGGAAGAAGAAAGCCCTGATCATCATCTGGGCCAAGGTTCTGCAGCCGCACCCCGTG
ACCCCGTCCGACACAGAGACACGGTGGCAGGAAGACCTGTTCTTCTCGGTGGCAACATG
ATCCCCACCATCAACCACACCATCTCTTCGAGCTGCTCAAAATCCCTGGAAGCTTCTGGA
CTCTTTATCCAGCTCCTGATGGCCCTGCCACACCATCTGCCATGTAGAAGTCTAGAGCGC
TTTCTGGAACATGTGACCGTTGACACTTCTGCCAAGAGCTGGCCTTCTTCTGGACGTC
TGGTGGGAGGTGATGAAGCACAAAGGGTCAACCCGAGGACCCCTGCTCTCCAGTTTAGT
GCAATGGCCCCATAGTACCTGCCTTGCCTTAGATGAGNTCCCCATCCTNCAAGAGGCTTA
NGTCAGACCCANACCGTGCNCCACCATGCCCTGTTGCCTGCTGCTNCGCGGGTGCCT
AGANCCAGAGTGCATCCTGGCCCGNAGAAAGTGTGTGCGCACGCCACCTGNCTGCT
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3' Read Nucleotide Sequence:	>OriGene 3' read for NM_015721 unedited TTTAGTTTTAAAAACCTTTTTTTTTGCGAAAAAGGAGAATTTTTATGATAGTTTGTACGTT ACAAATACCCAAGAAACTATTTTCTTTACACCATTATTGTGACTTTTTGTGGACAGT TTCACATAACTGTAAAGTCCAGGCTGCTCGGGTCTGACCCCTACAGACCTGCCATGTTGA AGCCCATCTTTTTCGCTCCCGCACAGGTAAGAAGCTGCTGATCTTCTGCAGACCCGCCAT GTTGGGGCCAGCTCCCCACGCCAAGTCAGAAGCTGCTCATCTTCTGCAACAGGGTTTGG CGCCGTTCTTCAGGGCCGATGCCCTCAGCAATGGACTTTAAGAAGCACTGCTCGTGTGCC CTCTGGAGCAAGGAGCTGACAGAAGGGTTGGTCTTGCTCAAAGTCTCATAGCAGGTGAGG GTTTCCAAGGCTAAAACGTAGAGTGGCTCACAGACCTCCGGTGGAGCATGGCCATGATG TGCAGAGCATGGCAGAACACCTGGGTGTAACAAACAGGGCTTCTGGGTCAAGTCTGCTG TCTGGTCTTGAACCAAGGGCCAGCTGCCTGTATTGCCCTGACTGAGTCCAGGANGCGG GTCAGACTGCCACAGAGGAGTTTGACCACGTGGTCCAGCCTCCAGAGGAAGCCAATTA CGACAGCTATGGCTGCAGAGAACTGGANAGTCCCNAGAAATAGACGGAGAGTTGCAAC TCCTGGGCAAAGGGCTTTCAGTTGAGCAGGGGAACAAGTGGATATATTCAGGCTATTAGG GACATGGAGGAGCTGCTTCTTCAGCAGTCTCCTGGTCAGCTGGG
Restriction Sites:	ECoRI-NOT
ACCN:	NM_015721
Insert Size:	3700 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_015721.1 , NP_056536.1
RefSeq Size:	3472 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]