

Product datasheet for RN203137

Gemin4 (NM_001109037) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Gemin4 (NM_001109037) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Gemin4
Synonyms:	RGD1563715
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>RN203137 representing NM_001109037 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGACCTAGGACCCCTTGAATATCTGTGAGGAAATGACTATTCTGCATGGGGCTTCTTGATGGCTGAAC
AGCTATTCACCCCAAAGCCCTGGAACAGTTGACAAAGTCTGATTGGGAACACGTGGGACAGCCATTGT
AGAGGCCCTTGAAGGAGATCTCCTCAGCCACAGCACATCCAGCCATTTGCCTGGAAGAAGAAAGCATT
ATCATCATCTGGCCAAGTTCTTCAGCCCTCCCTGTCAGCCCTTCTGACTGATACTCGGTGGCAGG
AAGATGTATTCTTTCCGTGGGCAACATGATCCCTACCATCAACCACACAGTCCTTTTGGAGCTGCTTAA
GTCCCTGGAAGCTTCTGGACTCTTCATTAGCTCCTAATGGCCCTGCCTACCACCATCGGCCGCTCAGAA
CTACAGAGCTTTCTGGAGCAGATGACTATTGACTTCTTCCAAGGATGTGGCTTTCTTCTAGATGTCT
GGTGGGAAATGATGAAGCACAAGGGTGAAGCAGGACCCCTTGCTTTCCAGTTTCAGGACGATGGCCCA
TAAATACTTGCCATCCTCAGATGAGTTTTCCCATCCTCCGAAGAGGTTAAGTCTGACCCAGATGTAGGT
CCCACCATGCCACTTTGGCTATGCTGCTTAACGGGCTGAAGCAGATCCAAAAGAGAATCCTGTCCCTTG
GAATGAAGTGTGTGCTTAGCTAAGTGGCTGACATGCTGAGCGTGTTCATTGATGGAGGATGACAC
CCAGGAGGTGTCTGCCACTGTGTACCTAGACAACTAGCGACGGTATCTCTGTGTGGAATTCAGACACC
CAGAACCATAACATCAACAGGCCCTGGCAGACAAGGTAAGGAGGCAGAGCGGGACGTGAGTCTCACCT
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GGGTACAGAACTACAGGACATGCTCAACAGCAGTCAGGGGACAAATTATGACACCTACCGCTGTGTGAC
AGTCTGACTTCTTCAGCCAGAATTTGGAGCTCTACCTGGATACTGCCAGCCTGCCAAGGAGGAGAGGG
AGGTGGTCTTAGAACTGGCTAAGTGTGTGAGGACTTCTGAGGAAAACCAGCAGAATGCTGAACGACAA
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ACAGGTGTCTCTCAGAGAACCAGACTTGGTCTTGAGTCTGCTGGAAACAGTGATGGAAGTCATAAACTC
TAATAGGGTTATCCCCAGACTCACATCAAGCAGGTAATCTGCTTACTGCTGGAATGCTATGAAGACCTC



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TCTCTACCAGATAAAAATAAAGTCCTTTCTGGTGTCTGCATTATTTGGGGCCAAAGGGCCTCTCAGACA
 GGTTGTCTAATTACTTGGAGGGTTTTAGGAAGATCTCAATACAACGTTTAAACCACTCGCACAGAGCAC
 CTCTGAACAGGGCCTGGCTAAAGCTGTGGCCCTCTGTGGCCACCTGGTGATCCTGAACCCAGAAGTTGTG
 GTGAAGAAGATGTGTAGCCTCGCTGTGACCAACCTTGGCACACATAGGTTTTGGCTCAGATTCTCACTG
 CCTTCCCTGCCCTGAAGTTCACAGAAGAACAAGGGCCAAATCCATATACCAAGTTTCATGGTGTCTGCCT
 CAAAGAAACTGTGTGGACCAAGTCTCTACACCCAAAGAAGAGAAGCAGTTTCTGGAGCTGGTGAGCTGC
 CTGATGAATCCTGTGAAACCACAGGGGATTCCAATTGCTGCTCTTTGGAGCCAGATGAGGTGCTGAAGG
 AGTTTGTCTGCCTTTCTTGATGTTGGACATGGAGGAGGTAGGCCTGAGTCTGAAGCTCTTCATCCAGAC
 CCTTGAAGCCAATGCAGGCTTGAAGAGTATTGGCTGCAAACCTGCTCCCACTTCCCACTGCTCTTCAGC
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 ACAGCAAGGATCTTGTGACCCACATTCTGGAACCTCTGTGTGAGATCGTTCTAGCCAACATAGAAACCTT
 CTCCCCAGACACCTGGGCCAAGTCCCTGTCTGGCTCCACCGCAAATTAGACCAGCTAGACTGGACCGTG
 GGCTCCGACTGAAGGACTTCTTTGAAGGCCACTTCAAGTGTGAGGTGCCAGCTACCCTTTTTGAGATCT
 GTAAGCTCTCTGAGGCCAGTGGACGTACAGGCTCACGAAGGATATGGGCCTGGTACAGGACTTCTCGC
 CTGGATGGAGTGTGTTCAATCTCCAACAGTGTCACTGAACAGATGCTTTCCCTCCTGGTAGTGAATGTG
 GGCAATCCTGAGGAGTCAAGTTTGTAGCAAGGGCTTTCTGGTGGCCCTGGTACAAGTCATGCCTTGGT
 GTAGCCCCAGGAGTGGCAATACCTTCAAGCTGACCAGGAAGCTGTTGGAGAAACAGCTTCTTCATGT
 CCCTTACAGTCTAGAGTATGTTCAATTTGTTCCCTGCTCAACCTGAGGCCTTTTGGCCAGGAGCTTCAG
 CTCTCTGTTCTTTCTTGAGAGCTTTCCAGTTTCTCTGCAGCCAGAGCTGTTGTAACCTGGCTTCTTTGG
 ATGTTGGAGCCATGTGGTCAAACCTCTGTAGCAGTCTGACCAGTGTCTGGATGCAGTCAGGTTGAT
 TCAGTCAGTGGTCCCTGGGCCAGGGACAAGAAGGGGATCTTACTCAGGAAACCTTGTTTGTCTATACC
 CAAATGTTCTGTACGTTCTGCATATCATGGCCATGCTCCCTCAGGAGGTCTGTGAACCCCTCTACGTAC
 TGGCCTTGAAATCCTTACCTGCTATGAGACCCTAAGCAAACCAACCCCTCTGTGAGTCTCTTGTCCA
 GAAGGTAGATGAGCAGCGCTTCTTAAAGTCTATTGCCAAGAACATTAGCCCTGAGGAGCGGCCCAAACC
 CTGCTACAAAAGATCAACAACCTTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** Sgfl-Mlul
- ACCN:** NM_001109037
- Insert Size:** 3177 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:**
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_001109037.1](#), [NP_001102507.1](#)

RefSeq Size: 3387 bp
RefSeq ORF: 3177 bp
Locus ID: 497958
Cytogenetics: 10q24