

Product datasheet for RN217646

Gemin5 (NM_001172089) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Gemin5 (NM_001172089) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Gemin5
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>RN217646 representing NM_001172089 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGAAACCAGAGCCGCGGACGCTTCCGCCGTCCCCAACTGGTACTGCGCGCGCTGCAGCGACGCGGGCC
CCGGAGGCATCTTTGGCTTCGCTGCGCGGACCTCCGTCTTCTCGTCCGCGTGGGCCGGGCGCCGGCC
GAGCCCAGGGGCGCCCCGTTTCGAGTTGTAGGAGAGTTGGTGGGACACACTGAAAGAGTATCTGGTTTC
ACTTTTTCTCATACCCTGGACAATAACAACCTCTGTGCCACCAGCTCAGATGATGGGACTGTGAAGATT
GGGATGTAGAGACCAAGGCTGTAGTGACAGAACACGCGCTCCATCAGCATACAATATCAGCACTGATTG
GTCTCCGACAGTTAAGGACTTAATAGTCTCTGGGGATGAAAAAGGAGTTGTTTTCTGTTACTGGCTTAAC
AGAAGTGACAGCCAGCACCTCTTACAGAGCCCAGGGCCATATTCTGTCTGACCTGTTCACTCATCACG
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TGTTACAGGCTTCGAGGGCAGCAGCATGAAATCCACTCCATAGCCTGGTGTCTTTGTCTGGTGAAGAC
TGCTTATCTATAAACCAAGAGGAAAACCTCAGAAGAACCCTGACATTCCTCAATGGGAAGCTTATAGCAGAAA
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GTTAAAGAACGTCTTTGGTTGACACTTCATTGGCCCAAGAACCAACCAACACAGCTGGTATCCAGTTGTT
TTGGAGGTGAGCTGCTGTGTGGGACCTCACCCAGTCAAGGAGACGGAAGTACACGCTCTTCAGCACCTC
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CTGCTATTGTCCACGTCATGGACAGAGATGAAAATGTTGGGACATGGCCACCTGGAGTGTGCTGGA
CATTACCTTCTTGGAGGTTTTGCCTACAGCCTGGCCTTTTACCTGTGGACGTGGGCTCCCTGGCCAT
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AGCTCAGTGGAGAGGCCTTTGACATCAACAACCTCATGAGAGACCAACTCCATTAGATACAAGCTGCC
TGTGCACACAGAGATCAGCTGGAAGGAGATGGCAAAGTCATGGCTCTTGAAATGAAGATGGATCAATA



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GAAATATTCCAAGTCCCAAACCTTGAAACTGCTCTGCACCATCCAGCAGCACCACAAGCTTGTGAACGCCA
 TAGTCTGGCACCATGAGCATGGCAGCCGTCCAGAGCTGAGCTGCCTCCTTGTCTGGTCCAACAATGC
 AGTTATCTACGTGCACAACCTGAAAGCTGTCTAGAGAGCAATCCTGAGTCTCCAATAACCATCACAGAG
 CCCTACCGGACCCTCTCAGGGCACACAGCCAAGGTTACCAGTCTGGCATGGAGCCCATCATGATGGAA
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 AAAAAATGTATTGAATTAGAGAAAAACGGCTCTCTCAATTTAAGCCAAAGCTAAAAAAGAAGAAAAAAC
 TACCTTGCGACTGCCATAAAGCAAGATTATCCATTGGCAATGAAGATGAGAGTGTGAGGGAGAACTTG
 GCACCTGTTGAGAATGGCTTGTCCGATCAGGATGGTGAGGAGGAAGCCAGGAGCCGGAGCTGCCTCCCT
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 ACTGTTTGGTTCTAGCAACGGCAACACAGCCAGAGCAGAAGTGCATGAAGATGTGTCTGCCACCTTGA
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 CAGTGTGTGGCTGTGGGCTGTGGAAGCCTTGGCAAGCAGCTGTGTTCCAGGATCAGTATGTCAAGGCT
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 GAGAAGCTATTGCAGTTGCCAAGGCTCGGCTGCGCCCTGAGGACCCTGTTCTGAAGGACCTGTACCTCAG
 CTGGGGTCCATCCTGGAGAGAGATGGCCACTATGCAATTGCAGCCAAGTGTACTTAGGAGCCACTTCC
 GCCTATGATGCAGCCAAAGTCTAGCCAGAAAGGAGATGCAGCCTCTCTTAGAACAGCTGCAGAGCTGG
 CTGCCATAGCAGGAGAGAGTGTGCTGGCTGCTTCCCTGGCTTTAGTGGCCCAAGAGCTGCTTGTGCT
 GAAGAAGTGGGTGGGTGCACAGGAAGCCTTGGGACTGCATGAAAGCCTGCAGGGCCAGAGACTGGTGTTC
 TGCTCCTTGTGCTTCTATGCCGCACCTGGAGAAAAACAGCCTCCAGAGGTCAGAGGCCCTCTTCCA
 TTTACCACAGTGGGCCACTGGTCTGAGGGAACCTTGGTGCAGAGAGTAACTGGTGTGTGGCGCAGCGC
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 GCAACAAGTAACACTCCCTTACAGACAGCTGCTGCTTATGTCTGCCATGACCTAACCTTAGCAATGCTGA
 GCCAGCAGGCTGCTTCTGGGAGGAGGCTGTCCCTGCACTGCTGCAGGCTGTGGTTCGGAGCTACACCTC
 AGGGAATTTACCCTCATGCAAGAAATCTACTCAGCCTTTCTCCAGGCGGCTGTGACCACCTACGAGAC
 AACTAGGTGACCTATCTCTACCATGGCGCTTTCAAAGCTTAGAGGCCTTTTTCATTTATGGGCAAC
 TGTATGAAGTCTGGTGGTCACTCTGTGGCCTGGCTCAGAATCAAGCATCTGGGTGTGGTGGTCAAGG
 CACAGTCTCTGATAAACAGAGCAAGCCAGGGGACAGTGCCAGTGTGAAGACATGGAGCAGCCTTAGGC
 CCAGGCCTGAGGCTCAGTGCAGAGAGTGAACGTTTGTGAGTGCCTGCAAGGAGCTTCTCAGAGAGGC
 ATGCCAGCCTACAGACCTCCAGAGGACTGTTGCTGAAGTCCAAGAGACGCTGGCAGAGATGATCCGCCA
 GCACAAAAGAGTCAGCTCTGCAAGGCCACAGCCAACGGCCCAACAGAGATGAACCCAGCCAGCAAGCA
 GAGCGGGCCCTTCCCAACCTCCGAGCCCAACAGAAGAAAGAAATGCACCGGTGTCTCTCCCTGAATTA
 CCAGAAGGCTCACAGAGGCAACAGAGAAATAGCTGAGTTTCCAGAGAGTGTAAAGGCCTGGCCCTTCC
 AGATGTGCTGGAGTGTCTCGTCTTACTTACATCGGGTCCCAGTGTCTGGTGTGTGAACCCCTGAG
 ATGCAGCAACAGGCCAGAAGCTCCTTCAAGATATGGCCACACTAGAGCTTACAGAAGCACTGCCAGA
 TTCGACACACATGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001172089
Insert Size: 4494 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:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
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_001172089.1</u> , <u>NP_001165560.1</u>
RefSeq Size:	5012 bp
RefSeq ORF:	4494 bp
Locus ID:	691231
Cytogenetics:	10q22