

## Product datasheet for MR211560

### Gemin4 (BC031425) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Gemin4 (BC031425) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Gemin4
Synonyms:	MGC28146, 4932415L08Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR211560 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGACCTAGGACCCCTTGAATATCTGTGAGGAGATGACTATTCTGCATGGGGCTTCTTGATGGCTGAGC  
AGCTGTTCCACCCCAAAGCCCTGGTACAGTTGACCAAGTCTGATTGGGAACACGTGGGACAGCCCATTGT  
GGAGGCCCTTGAAGGAGATCTCCTCAGCCACAGCACATCCAGCCCTTTGCCTGGAAGAAGAAAGCACTG  
ATCATCATCTGGACCAAGTTCTTCAGCCCTCCCTGTCAGCCCTTCTGACTGATACTCGGTGGCAGG  
AAGATGTATTCTCTCCGTGGGAGCATGATCCCTACCATCAACCACACAGTCCCTTTTGGAGCTGCTCAA  
GTCTCTGGAAGCTTCGGGACTCTTCATTAGCTGCTAATGGCCTTGCCTACCACCATTGGCCGCTCAGAA  
CTACAGAGCTTCTGGAGCACATGACTGTTGACACATCTTCCAAGGATGTGGCCTTCTTCTAGATGCTCT  
GGTGGGAAATGATGAAGCACAAGGGCGACCAGCAGGACCCCTTGCTTTCCAGTTTCAGGACGATGGCCCA  
TAAATACTTGCCATCCTCAGATGAGTTTTCCCATCCTCCAAGAGGTTTAAAGTCTGACCCAGATGTGGGT  
CCCACCATGCCTCTTTGGCCATGTTGCTTACCGGGCTGAAGCAGATCCAAAAGAGAATCCTGTCCCTTG  
AAATGAAGTGTGTGCCTTAGCTAACTGGCTGACATGCTGAGTGTGTTGCACTTCTGGAGGATGACAC  
CCAGGAGGTGTCGGCCACTGTGTACCTAGACAACTAGCTACAGTGATCTCTGTGTGAACTCGGACACC  
CAGAACCATAACCATCGACAGGCCCTGGCAGACAAGGTAAGGAGGCAGAGCGAGATGTGAGTCTCACCT  
CACTGGCCAAACTCCCCAGTGAAGTGTTCATGGGGTTTGGAGCTTATGTACAACCTGCTGCAAGAGTG  
GGTGCAGAACTGCAGGACATGCTCAACAGCAGTCAGGGAACAAATTATGACACCTACCGCTGTGTGAC  
AGCCTGACTTCTTCAGCCAAAACCTGGAGCTCTACCTGGATACTACCAACATGCCCAAGGAGGAGAGGG  
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TGATCGGGTTATCCCCAGCCTCAGATCAAGCAGTAATCTGCTTGACCCTGGAATGCTATGAAGACCTC



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TCTCTCCAGACAAAAATAAGTTCTTTCTGGTGTCTGCATTATTTGGGGCCAAAGGGTCTCTCAGACA  
 GGTTGTCTGATTACTTGGAGGGTTTTAGGAAGACCTCAACACGACGTTTAAACCAGCTCGCACAGAGTAC  
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 GCAGTCGGTGGTCCCTGGGCCAAGGACAAAAAGGGGATCTTACTCAGGAAACCTGTTTGTCTATACC  
 CAGATGTTCTGTATGTTCTGCATATCATGGCCATGCTCCCTCAGGAGGTCTGTGAACCCCTCTACGTGC  
 TGGCCTTGAAATCCTTACCTGCTACGAGACTTAAGCAAAAGCAACCTTCTGTGAGTCTCTTGTCTCA  
 GAAGGTAGACGAGCAGCGCTTCTTAAAGTCTATCGCCAAGAACATTAGCCCTGAGGAGCGGCCAAACC  
 CTGCTACAAAAGATCAACAACCTC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>MR211560 protein sequence  
 Red=Cloning site Green=Tags(s)

MDLGPLNICEEMTILHGGFLMAEQLFHPKALVQLTKSDWEHVGPIVEALKEISSATAHSQPFawkkKAL  
 I I I W T K V L Q P S P V S P S D T D T R W Q E D V F F S V G S M I P T I N H T V L F E L L K S L E A S G L F I Q L L M A L P T T I G R S E  
 L Q S F L E H M T V D T S S K D V A F F L D V W W E M M K H K G D Q D P L L S Q F R T M A H K Y L P S S D E F S H P P K R F K S D P D V G  
 P T M P L L A M L L T G L K Q I Q R I L S L E M K C C A L A N L A D M L S V F A L L E D D T Q E V S A T V Y L D K L A T V I S V W N S D T  
 Q N P Y H R Q A L A D K V K E A E R D V S L T S L A K L P S E T V F M G F E L M Y N L L Q E W G A E L Q D M L N S S Q G T N Y D T Y R L C D  
 S L T S F S Q N L E L Y L D T T N M P K E E R E V V S E L A E C V R D F L R K T S R M L N D K G L E D I T A S I A M A I I E Q K M D R H M E  
 M C Y I F A S E K K W A F S D E W V A C L V N N R S L F R E P D L V L S L L E T V M E V I S S D R V I P Q P Q I K Q V I C L T L E C Y E D L  
 S L P D K N K V L S G V L H Y L G P K G L S D R L S D Y L E G F Q E D L N T T F N Q L A Q S T S E Q L A K A V A S V A H L V I L N P E V V  
 V K K M C S L A V T N L G T H R F L A Q I L T A F P A L K F T E E Q G A N P C T S F M V S C L K E T V W T K F S T P K E E K Q F L E L V S C  
 L T N P V K P Q G I P V A A L L E P D E V L K E F V L P F L M L D M E E V G L S L K L F I Q T L E A N A G L E E Y W L Q T C S P F P L L F S  
 L C Q L L D S F S K F W Q L P R E K R Y L T L D S K D L V T H I L E L L C E I V L A N T E T F S P D T W A K S L S W L H R K L D Q L D W T V  
 G L R L K N F F E G H F K C E V P A T L F D I C K L S E A Q W T S Q V H E G Y G P G T G L L A W M E C C S V S S I S D Q M L S L L V M D V  
 G N P E E V R L F S K G F L V A L V Q V M P W C S P Q E W Q Y L Q Q L T R K L L E K Q L L H V P Y S L E Y I Q F V P L L N L K P F A Q E L Q  
 L S V L S L R V F Q F L C S Q C C N W L P L D G W S H V V K L L C N S L T S V L D A V R L M Q S V G P W A Q G Q K G D L T Q E T L F V Y T  
 Q M F C H V L H I M A M L P Q E V C E P L Y V L A L E I L T C Y E T L S K S N P S V S S L L Q K V D E Q R F L K S I A K N I S P E E R R Q T  
 L L Q K I N N F

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**


**ACCN:** BC031425

**ORF Size:** 3174 bp

**OTI Disclaimer:** The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

**OTI Annotation:** This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

**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:** [BC031425](#), [AAH31425](#)

**RefSeq Size:** 3424 bp

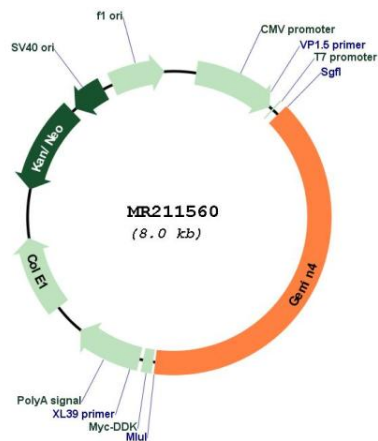
**RefSeq ORF:** 3176 bp

**Locus ID:** 276919

**Cytogenetics:** 11 B5

MW: 120.2 kDa

Product images:



Circular map for MR211560