

Product datasheet for **MC201561**

Gem (NM_010276) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Gem (NM_010276) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Gem
Synonyms:	AV020497
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >BC029668 sequence for NM_010276
CACACAGCCTCGGACTGCGGAGCCCGCATCGCAGACGTGAGCGTTGCAGCAGGCGGATCGACGGCAGAC
GCCCACCCAGCGCCAGTGCAGCCAAGATCCCAGCAATGACTCTGAATAATGTCACCATGCGCCAAGGCAC
TGTGGGCATGCAGCCACAGCAGCGCTGGAGTATCCCTGCTGATGCCAGGCATCTGATGGTCCAGAAGGAT
CCCCACCCTGCAACCTCCGAAACCGCCACTCTACTGCTCCGGAAGAGCACTGCCGGCGGAGCTGGTCGT
CCGACTCCACAGACTCGGTCATCTCTTCTGAGTCTGGAACACCTACTACCGAGTAGTGCTTATAGGGGA
GCAAGGAGTGGGCAAGTCCACCCTGGCCAACATCTTTCAGGTGTGCATGACAGCATGGACAGCGACTGT
GAGGTCTTGGGAGAAGATACATATGAGCGTACCCTGGTCGTTGACGGAGAGAGTGAACCATATCCTCC
TGGACATGTGGGAAAATAGGGGGAGAACGAATGGCTCCATGACCACTGCATGCAGGTGCGGGATGCCTA
TCTGATCGTCTACTCTATCACAGACCGTCAAGCTTCGAGAAGGCATCTGAGCTGAGGATTCAGCTCCGC
AGGGCCCCGAGACAGAAGACATTCCTATAATTTTGGTTGGCAACAAAAGCGACTTAGTGCGGTGTCGAG
AAGTGTCTGTGCAGAAGGGAGAGCTTGTGCTGTGGTGTTCGACTGCAAATTCATCGAGACCTCTGCGGC
TGTGCAGCACACGTGAAGGAAGTGTGAGGGCATTGTGCGACAGGTGCGCCTGCGCAGGGACAGCAAG
GAGAAGAATGAGAGGAGGCTGGCCTACCAGAAGAGGCGGGAGAGCATTCCAGGAAAGCCAGGCGCTTCT
GGGGCAAAATTTGGCCAAAACAACAAGAATGGCTTTCAGCTCAAGTCAAAATCCTGCCATGACCT
GTCTGTGCTCTAGGCACCAAGTGTCAACAGATGTCCCCTTGGTGGACATCGTTGAAGGCTATTGGGACC
AGTGATCTATATTAGATTGGATACATAAGCATTGTTAGACGCAACTTCCCCTATGGCAGATGGAAACCAA
CAGGTTAGCCTTGTGGCAACCAAGTGCACGGCAATGAATGAGCTCTGTCAAGAGTCAGTATTTATTCA
TAGGAAAAGCTTGACCTGCTACGTGGATGTCTCAGACTCATTTAAGACACGCTTCGGGTTACATGAGTT
TCTCTCTCCTTTGGACAGCAGAATTTTTTTCCTCAGTGTGTTCCATGTGATTTCCAGGTCCTTGGGT
CATATAGAAATGTAGGAAAATGGTGGTAGTTTATTGGAAGGAGAAGGGCTCACTGCATACTTATATCCCT
GAAACGACATCTTTAGAGCTGGCCTCATCACAGTTGTGACTATTTCTGCTCCAGTGAAGAGAATTTAG
AATTTGCTGGAACTGAGGCTTACTAACAGTTTTTGTGTTAAAGACCACAGAGATTTGAGACTTAGGAGC
TGATATGTGTACTACTTATAGGTTCAAAAATTTGTTACTTATGTGTCGTAAGAAGTGTTTATTTTGGGA
AACTATTTTTTTTTTGGCAAATTTACTTAGTCAAATCATCTTCTATGTCTTGCTGTTTTTTAAATCAT
TAAGCTATCATAAAATATTTTTTAAAAAATCTCAACTATATTGATAACCTGCAGTGCAAAATTTTAAAT
ATAGTCTGTTTTTCCCCAAAACATAAACATGCCCATCCTTTGGGTTGCTTCTGTATGCCACAGCTG
AATTATATTTATTTTGAATAAACCATTTAATTTGATAAAGCATATTTATGAGCATATTTCTTA
CTGAGAAAATGTCTGTTTTATTACCTTTTTATTTTTTCAAAGTATTCAAGTTTTTACCTATATGTCTTA
TAATAAAATAAAATAAAATCTTTGAAAAGGAAAAAAAAAAAAAAAAAAAAA

Restriction Sites: RsrII-NotI

ACCN: NM_010276

Insert Size: 888 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:	<u>BC029668</u> , <u>AAH29668</u>
RefSeq Size:	2009 bp
RefSeq ORF:	888 bp
Locus ID:	14579
UniProt ID:	<u>P55041</u>
Cytogenetics:	4 5.34 cM
Gene Summary:	Could be a regulatory protein, possibly participating in receptor-mediated signal transduction at the plasma membrane. Has guanine nucleotide-binding activity but undetectable intrinsic GTPase activity.[UniProtKB/Swiss-Prot Function]