

## Product datasheet for RC232137

### Geminin (GMNN) (NM\_001251989) Human Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Geminin (GMNN) (NM\_001251989) Human Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** Geminin  
**Synonyms:** Gem; MGORS6  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**ORF Nucleotide Sequence:** >RC232137 ORF sequence  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCCCGGATCGCC

ATGAATCCAGTATGAAGCAGAAACAAGAAGAAATCAAAGAGAATATAAAGAATAGTTCTGTCCCAAGAA  
 GAACTCTGAAGATGATTCAGCCTTCTGCATCTGGATCTCTTGTGGAGAGAAAAAGAGCTGTCCGAGG  
 CTTGTCCAAAAGGAAACATCGGAATGACCACTTAACATCTACAACCTCCAGCCCTGGGGTTATTGTCCCA  
 GAATCTAGTAAAATAAAAATCTTGGAGGAGTCACCCAGGAGTCATTTGATCTTATGATTAAGAAAAATC  
 CATCCTCTCAGTATTGGAAGGAAGTGGCAGAAAAACGGAGAAAGGCGCTGTATGAAGCACTTAAGGAAAA  
 TGAGAAATTCATAAAGAAATTGAACAAAAGGACAATGAAATTGCCCGCCTGAAAAAGGAGAATAAAGAA  
 CTGGCAGAAAGTAGCAGAACATGTACAGTATATGGCAGAGCTAATAGAGAGACTGAATGGTGAACCTCTGG  
 ATAATTTTGAATCACTGGATAATCAGGAATTTGATTCTGAAGAAGAACTGTTGAGGATTCTAGTGGAA  
 GACTCAGAAATTGGCACGTGTGCTGAAGGAAGTATCTTCTCTACGGATGCAAAGCCATGTATA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >RC232137 protein sequence  
 Red=Cloning site Green=Tags(s)

MNPSMKQKQEEIKENIKNSSVPRRTLKMIQPSASGSLVGRENELSAGLSKRKHRNDHLTSTTSSPGVIVP  
 ESSENKNLGGVTQESFDLMIKENPSSQYWKEVAEKRRKALYEALKENEKLHKEIEQKDNEIARLKKENKE  
 LAEVAEHVQYMAELIERLNGEPLDNFESLDNQEFDSEETVVEDSLVEDSEIGTCAEGTVSSSTDAKPCI

TRTRPLEQKLISEEDLAANDILDYKDDDDKV



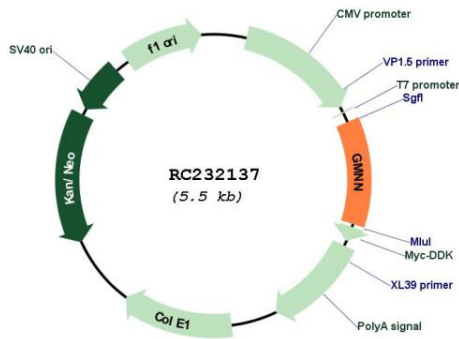
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**UniProt ID:** [O75496](#)  
**Cytogenetics:** 6p22.3  
**Protein Families:** Druggable Genome, Stem cell - Pluripotency  
**MW:** 23.6 kDa

**Gene Summary:** This gene encodes a protein that plays a critical role in cell cycle regulation. The encoded protein inhibits DNA replication by binding to DNA replication factor Cdt1, preventing the incorporation of minichromosome maintenance proteins into the pre-replication complex. The encoded protein is expressed during the S and G2 phases of the cell cycle and is degraded by the anaphase-promoting complex during the metaphase-anaphase transition. Increased expression of this gene may play a role in several malignancies including colon, rectal and breast cancer. Alternatively spliced transcript variants have been observed for this gene, and two pseudogenes of this gene are located on the short arm of chromosome 16. [provided by RefSeq, Oct 2011]

**Product images:**



Circular map for RC232137