

## Product datasheet for **RG204712**

### Complement C9 (C9) (NM\_001737) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Complement C9 (C9) (NM_001737) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Complement C9
Synonyms:	ARMD15; C9D
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

**ORF Nucleotide Sequence:**

>RG204712 representing NM\_001737  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGTCAGCCTGCCGGAGCTTTGCAGTTGCAATCTGCATTTTAGAATAAGCATCCTCACAGCACAGTACA  
 CGACCAGTTATGACCCAGAGCTAACAGAAAGCAGTGGCTCTGCATCACACATAGACTGCAGAATGAGCCC  
 CTGGAGTGAATGGTCACAATGCGATCCTTGTCTCAGACAATGTTTCGTTCAAGAAGCATTGAGGCTTT  
 GGACAATTTAATGGGAAAAGATGCACCGACGCTGTGGGAGACAGACGACAGTGTGTGCCACAGAGCCCT  
 GTGAGGATGCTGAGGATGACTGCGGAAATGACTTTCAATGCAGTACAGGCAGATGCATAAAGATGCGACT  
 TCGGTGTAATGGTGACAATGACTGCGGAGACTTTTCAGATGAGGATGATTGTGAAAGTGAAGCCCGTCCC  
 CCCTGCAGAGACAGAGTGGTAGAAGAGTCTGAGCTGGCACGAACAGCAGGCTATGGGATCAACATTTTATG  
 GGATGGATCCCCTAAGCACACCTTTTGACAATGAGTTCTACAATGGACTCTGTAACCGGGATCGGGATGG  
 AAACACTGACATACTACCGAAGACCTTGAACGTGGCTTCTTTGATCTATGAAACCAAAGCGAGAAA  
 AATTTTCAGAACCGAACATTACGAAGAACAATTAAGCATTAAAAAGTATCATCCAAGAGAAGACATCAA  
 ATTTTAATGCAGCTATATCTCTAAAATTTACCCCACTGAAACAATAAAGCTGAACAATGTTGTGAGGA  
 AACAGCCTCCTCAATTTCTTACATGGCAAGGGTAGTTTTTCGGTTTTCATATCCAAAAATGAACTTAC  
 CAACTATTTTTGTGATTTCTTCAAAGAAGGAAAAATGTTTCTGCATGTGAAAGGAGAAATTCATCTGG  
 GAAGATTTGTAATGAGAAATCGCGATGTTGTGCTCACAACTTTTGTGGATGATATAAAGCTTTGCC  
 AACTACCTATGAAAGGGAGAAATTTTTGCCTTTTGGAACTTGAAGTCACTACAGTAGCTCTGGG  
 TCTCTAGGAGGACTCTATGAACATAATATGTTTTGGATAAAGCTTCCATGAAGCGGAAAGGTGTTGAAC  
 TAAAAGACATAAAGAGATGCCTTGGGTATCATCTGGATGTATCTCTGGCTTCTCTGAAATCTCTGTTGG  
 AGCTGAATTTAATAAAGATGATTGTGTAAGAGGGGAGAGGGTAGAGCTGTAAACATCACCAGTGAAGAAC  
 CTCATAGATGATGTTGTTTCACTCATAAGAGGTGGAACAGAAAAATGCATTTGAACTGAAAGAAAAGC  
 TTCTCCGAGGAACCGTATTGATGTGACTGACTTTGTCAACTGGGCTCTTCCATAAATGATGCTCCTGT  
 TCTCATTAGTCAAAAACTGTCTCTATATAATCTGGTCCAGTGAAAAATGAAAAATGCACACCTAAAG  
 AAACAAAATTTGGAAAGAGCCATTGAAGACTATATCAATGAATTTAGTGTGAAAGAAATGCCACACATGCC  
 AAAATGGAGGTACAGTATTCTAATGGATGAAAGTGTGTTGTGCTGCCATTCAAATTTGAGGGAAT  
 TGCTGTGAAATCAGTAAACAAAAAATTTCTGAAGGATTGCCAGCCCTAGAGTCCCAATGAAAAA

**ACGCGTACGCGGCCGCTCGAG** - GFP Tag - GTTTAA

**Protein Sequence:**

>RG204712 representing NM\_001737  
 Red=Cloning site Green=Tags(s)

MSACRSFAVAICILEISILTAQYTTSYDPEL TESSGSASHIDCRMSPWSEWSQCDPLRQMFRSRSIEVF  
 GQFNGKRCTDAVGDRRQCVPTEPCEDAEDDCGNDFCSTGRCIKMRLRCNGDNDCGDF SDEDDCESEPRP  
 PCRDRVVEESELARTAGYGINILGMDPLSTPFDNEFYNGLCNRDRDGNTLTYRRPWNVA SLIYETKGEK  
 NFRTEHYEEQIEAFKSIIQEKTSNFNAI SLKFTPTETNKAEQCCEETASSISLHGKGSFRFSYSKNETY  
 QLFLSYSSKKEKMFHLVHKG EIHGRFVMNRDVL TTTFVDDIKALPTTYEKGEYFAFLETYGYTHYSSG  
 SLGGLYELIYVLDKASMKRKGVELKDIKRLGYHLDVSLAFSEISVGAEFNKDDCVKRGEGRAVNITSEN  
 LIDDVVS LIRGGTRKYAFELKEKLLRGTVIDVTFVNWASSINDAPVLI SQKLSPIYNLVPVKMKNHLK  
 KQNLERAIEDYINEFSVRKCHTCQNGGTVILMDGKCLCACPFKFEGIACEISKQKISEGLPALEFPNEK

**TRTRPLE** - GFP Tag - V

**Restriction Sites:**

Sgfl-Mlul

**Cloning Scheme:**


**ACCN:** NM\_001737

**ORF Size:** 1677 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:** [NM\\_001737.5](#)

**RefSeq Size:** 2094 bp

**RefSeq ORF:** 1680 bp

**Locus ID:** 735

**UniProt ID:** [P02748](#)

**Cytogenetics:** 5p13.1

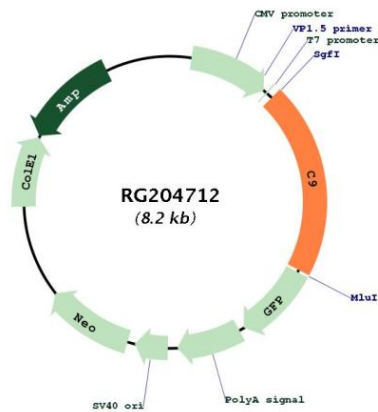
**Domains:** tsp\_1, MACPF, ldl\_recept\_a

**Protein Families:** Druggable Genome

**Protein Pathways:** Complement and coagulation cascades, Prion diseases, Systemic lupus erythematosus

**Gene Summary:** This gene encodes the final component of the complement system. It participates in the formation of the Membrane Attack Complex (MAC). The MAC assembles on bacterial membranes to form a pore, permitting disruption of bacterial membrane organization. Mutations in this gene cause component C9 deficiency. [provided by RefSeq, Feb 2009]

**Product images:**



Circular map for RG204712