

Product datasheet for **SC319927**

Complement C9 (C9) (NM_001737) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Complement C9 (C9) (NM_001737) Human Untagged Clone
Tag:	Tag Free
Symbol:	Complement C9
Synonyms:	ARMD15; C9D
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_001737.2
 GCTTGTCCCTGTCTCTGGCCCTTTGCAAATAAATGCCTTACCAGACCTGCCCTGCCAC
 CCCACTCGCAGCCACCCAGCAAGAGCAGCATGTCAGCCTGCCGGAGCTTTGCAGTTGCAA
 TCTGCATTTTAGAAAATAGCATCCTCACAGCACAGTACACGACCAGTTATGACCCAGAGC
 TAACAGAAAGCAGTGGCTCTGCATCACATAGACTGCAGAATGAGCCCTGGAGTGAAT
 GGTCAAAATGCGATCCTTGTCTCAGACAAATGTTTCGTTCAAGAAGCATTGAGGTCTTTG
 GACAATTTAATGGGAAAAGATGCACCGACGCTGTGGGAGACAGACGACAGTGTGTGCCCA
 CAGAGCCCTGTGAGGATGCTGAGGATGACTGCGGAAATGACTTTCAATGCAGTACAGGCA
 GATGCATAAAGATGCGACTTCGGTGTAATGGTGACAATGACTGCGGAGACTTTTTAGATG
 AGGATGATTGTGAAAGTGAAGCCCTCCCTGCAGAGACAGAGTGGTAGAAGAGTCTG
 AGCTGGCAGCAACAGCAGGCTATGGGATCAACATTTTAGGGATGGATCCCTAAGCACAC
 CTTTTGACAATGAGTTCTACAATGGACTCTGTAACCGGGATCGGGATGAAACACTCTGA
 CATACTACCGAAGACCTTGAACGTGGCTTCTTTGATCTATGAAACCAAAGGCGAGAAAA
 ATTTTCAGAACCGAACATTACGAAGAACAATTGAAGCATTTAAAAGTATCATCCAAGAGA
 AGACATCAAATTTAATGCAGCTATATCTCTAAAATTTACACCCACTGAAACAAATAAAG
 CTGAACAATGTTGTGAGGAAACAGCCTCCTCAATTTCTTTACATGGCAAGGGTAGTTTTT
 GGTTCATATTCCAAAAATGAAACTTACCAACTATTTTTGTTCATATTCTCAAAGAAGG
 AAAAAATGTTTCTGCATGTGAAAGGAGAAATTCATCTGGGAGATTTGTAATGAGAAATC
 GCGATGTTGTGCTCACAACAACCTTTTGTGGATGATATAAAAGCTTTGCCAACTACCTATG
 AAAAGGGAGAATATTTTGCCTTTTTGGAAACCTATGGAACCTACTACAGTAGCTCTGGGT
 CTCTAGGAGGACTCTATGAACTAATATATGTTTTGGATAAAGCTTCCATGAAGCGGAAAG
 GTGTTGAACTAAAAGACATAAAGAGATGCCTTGGGTATCATCTGGATGTATCTCTGGCTT
 TCTCTGAAATCTCTGTTGGAGCTGAATTTAATAAAGATGATTGTGTAAGAGGGGAGAGG
 GTAGAGCTGTAACATCACCCAGTAAAACCTCATAGATGATGTTGTTTCACTCATAAAGAG
 GTGGAACCGAATAATGCAATTTGAACTGAAAGAAAAGCTTCTCCGAGGAACCGTGATTG
 ATGTGACTGACTTTGTCAACTGGCCTCTTCCATAAATGATGCTCCTGTTCTCATTAGTC
 AAAAACTGTCTCTATATAATCTGGTCCAGTAAAAATGAAAAATGCACACCTAAAGA
 AACAAAACCTTGGAAAGAGCCATTGAAGACTATATCAATGAATTTAGTGAAGAAAATGCC
 ACACATGCCAAAATGGAGGTACAGTGATTCTAATGGATGGAAAGTGTGTTGTGCCTGCC
 CATTCAAATTTGAGGGAATTGCCTGTGAAATCAGTAAACAAAAATTTCTGAAGGATTGC
 CAGCCCTAGAGTCCCAATGAAAAATAGAGCTGTTGGCTTCTCTGAGCTCCAGTGGAAAG
 AAGAAAACACTAGTACCTTCAGATCCTACCCCTGAAGATAATCTTAGCTGCCAAGTAAAT
 AGCAACATGCTTCATGAAAAATCCTACCAACCTCTGAAGTCTCTTCTCTTAGGTCTATA
 ATTTTTTTTTAATTTTTCTTAACTCCTGTGATGTTTCCATTTTTTTGTTCCCTAA
 TGAGAAGTCAACAGTGAATACGCCAGAACTGCTTTATCCACGGAAAATGCCAATCTCT
 TCTAAAAAAAACAAAATTAACATAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA

Restriction Sites: Please inquire

ACCN: NM_001737

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: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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:	NM_001737.2 , NP_001728.1
RefSeq Size:	2094 bp
RefSeq ORF:	1680 bp
Locus ID:	735
UniProt ID:	P02748
Cytogenetics:	5p13.1
Domains:	tsp_1, MACPF, Icl_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]