

Product datasheet for **SC115886**

Complement Component 6 (C6) (NM_000065) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Complement Component 6 (C6) (NM_000065) Human Untagged Clone
Tag:	Tag Free
Symbol:	Complement Component 6
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene ORF within SC115886 sequence for NM_000065 edited (data generated by NextGen Sequencing)

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ATGGCCAGACGCTCTGTCTTGTACTTCATCCTGCTGAATGCTCTGATCAACAAGGGCCAA
GCCTGCTTCTGTGATCACTATGCATGGACTCAGTGGACCAGCTGCTCAAAAACCTTGAAT
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AACAGGAAGATGGAAATACTGCATCCTGGAAAGTGTGGCCTAG

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Clone variation with respect to NM_000065.2
356 c=>a

5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_000065 unedited CTAGATTTTGTATCCGACTTACTATNAGGNCGGCACGCGCAATTCGGCACGAGGCATTGC CTTGTGTTAGCTAGCAATAAGAAAAAGAAGCTTTGTTTGGATTAACATATATACCCCTCTTC ATTCTGCATACCTATTTTTTCCCAATAATTTGCAGCTTATGTCCGAGGACACCACAAAC TCTGCTTAAAGGGCCTGGAGGCTCTCAAGGCATGGCCAGACGCTCTGTCTGTACTTCAT CCTGCTGAATGCTCTGATCAACAAGGGCCAAGCCTGCTTCTGTGATCACTATGCATGGAC TCAGTGGACCAGCTGCTCAAAAACCTTGAATTCTGGAACCCAGAGCAGACACAGACAAAT AGTAGTAGATAAGTACTACCAGGAAAACCTTTGTGAACAGATTTGCAGCAAGCAGGAGAC TAGAGAATGTAAGTGGCAAAGATGCCCATCAACTGCCTCCTGGGAGATTTTGGACCATG GTCAGACTGTGACCCTTGTATTGAAAAACAGTCTAAAGTTAGATCTGTCTTGCCTCCAG TCAGTTTGGGGACAGCCATGCACTGAGCCTCTGGTAGCCTTTCAACCATGCATTCCATC TAAGCTCTGCAAAATGAAGAGGCTGACTGCAAGAATAAATTTGCTGTGACAGTGGCCG CTGCATTGCCAGATAGTTAGAATGCAATGGAGAAAATGACTGTGGAGACCATTAGATGA TAGGGACTGTGGGAGGACATAGGCAGTATGCACACGGAAGTATAATCCCATCCCTAGTGT ACAGTTGATGGGCAATGGNGTTCATTTTCTGGCAAGAGAGCCAGAAGAGAAGTCCTTGA TACTCTTNCCTGNGAGAATATGTAAGTGTCAAAGCAGTAGGACAAGTAATCATACCGTG TNCCGCCATCTGNAATGTGCGTTNGAGTACAACCTGCAGAGAGACTGAA</p>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_000065 unedited TTCTATGNACCGCGCCGATTCTAGGATCGAGTTTTTTTTTTTTTTTTTTTTCAGAGTTCT GGAGATTTCTGTTTATTAACCTATTGAAAAAATATGGGTTTTATTCTTATTTCTAATTG TGAGAATGCTTAATGTCACAGGCTACATAAGGGCCTCAAAGTCACATTATTTTGTACA ATGTGAACAGGAGAATTTACGAGACTGCTGTGGAAGTTGGTACCTAGGGGTATGCTACAG GCGCTCATGAGCTGGAAGTGAATAAGACATGCCCAAACAGGAGAGTCAGGGGAGAATAAT GATCTCAAACAAACAGAAAATAATTTTGTGAGTAACTTTGAGCATGCCAGTCTGCTGTT TGTGCAAGAAATCTCATTGTAGGAGTTGGTTCTTCGGATGGTAAATCTGTTTATTGTTG CTGGGCCTAGCAGTAATGTGCTAGGCCAAACACTTTCCAGGATGCAATTTCCATCTT CCTGTTTGACATCTTATAGTCCCCTCACAGATGTTCAATGTTTTCTCACTGTTTGA TGATCCCATTTTGACACAGTAGAGTTGGTTTCCACCCTGAAGCACTGTGGGGCAATAG GCAGACATTTTGAAGTGGAGGCTGAACATTNTCCAGTCATAGCAGGTGTCATAGCC ACAGGATTTCTTTGTGCTGTTGGATGAAAGTCTTGTCTTTTACAGACCCATTCTAAC TGGNCGCCGCTTGGCAGGAACCCATATGTAGAAATGGGAGTGCTGATTATTTAAACAT TNCTCACAAAAACTTTACAGCGGGTGAAGTAAAGTATCGTTGGAGTCTGTGCAAAACCA CAGAGATCTTCTGATGATGGCTACAGTCTTCTTCTGGAGAATACAAAGCATTGATCCTG ANTGTTCTGTCCAGCTGACATGGCCTTTAANTTGTAGATATCTTTTACAGTGAAAA</p>
Restriction Sites:	NotI-NotI
ACCN:	NM_000065
Insert Size:	3110 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:	<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_000065.1 , NP_000056.1
RefSeq Size:	3551 bp
RefSeq ORF:	2805 bp
Locus ID:	729
UniProt ID:	P13671
Cytogenetics:	5p13.1
Domains:	CCP, tsp_1, MACPF, ldl_recept_a, kazal, FIMAC
Protein Families:	Druggable Genome, Secreted Protein
Protein Pathways:	Complement and coagulation cascades, Prion diseases, Systemic lupus erythematosus
Gene Summary:	<p>This gene encodes a component of the complement cascade. The encoded protein is part of the membrane attack complex that can be incorporated into the cell membrane and cause cell lysis. Mutations in this gene are associated with complement component-6 deficiency. Transcript variants encoding the same protein have been described.[provided by RefSeq, Nov 2012]</p> <p>Transcript Variant: This variant (1) represents the predominant transcript. Variants 1 and 2 both encode the same protein. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>