

## Product datasheet for **SC205644**

### Complement C5 (C5) (NM\_001735) Human 3' UTR Clone

#### Product data:

Product Type:	3' UTR Clones
Product Name:	Complement C5 (C5) (NM_001735) Human 3' UTR Clone
Symbol:	Complement C5
Synonyms:	C5a; C5b; C5D; CPAMD4; ECLZB
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_001735
Insert Size:	434 bp
Insert Sequence:	>SC205644 3'UTR clone of NM_001735 The sequence shown below is from the reference sequence of NM_001735. The complete sequence of this clone may contain minor differences, such as SNPs. <b>Blue</b> =Stop Codon <b>Red</b> =Cloning site

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
GCCGAAGATATCTTTTTAAATGGATGCTAAAATTCCTGAAGTTCAGCTGCATACAGTTTGCACTTATGG
ACTCCTGTTGTTGAAGTTCGTTTTTTGTTTTCTCTTTTTTTAAACATTCATAGCTGGTCTTATTTGT
AAAGCTCACTTTACTTAGAATTAGTGGCACTTGCTTTTATTAGAGAATGATTTCAAATGCTGTAACCTT
CTGAAATAACATGGCCTTGGAGGCATGAAGACAGATACTCCTCCAAGGTTATTGGACACCGGAAACAA
TAAATTGGAACACCTCCTCAAACCTACCACTCAGGAATGTTTGCTGGGGCCGAAAGAACAGTCCATTGA
AAGGGAGTATTACAAAAACATGGCCTTTGCTTGAAAGAAAATACCAAGGAACAGGAAACTGATCATTAA
AGCCTGAGTTTGCTTTCAA
ACGCGTAAGCGGCCGCGGCATCTAGATTCAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG
```

Restriction Sites:	Sgfl-MluI
OTI Disclaimer:	Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences, e.g., single nucleotide polymorphisms (SNPs).
Components:	The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.



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RefSeq: [NM\\_001735.3](#)

**Summary:** This gene encodes a component of the complement system, a part of the innate immune system that plays an important role in inflammation, host homeostasis, and host defense against pathogens. The encoded preproprotein is proteolytically processed to generate multiple protein products, including the C5 alpha chain, C5 beta chain, C5a anaphylatoxin and C5b. The C5 protein is comprised of the C5 alpha and beta chains, which are linked by a disulfide bridge. Cleavage of the alpha chain by a convertase enzyme results in the formation of the C5a anaphylatoxin, which possesses potent spasmogenic and chemotactic activity, and the C5b macromolecular cleavage product, a subunit of the membrane attack complex (MAC). Mutations in this gene cause complement component 5 deficiency, a disease characterized by recurrent bacterial infections. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Nov 2015]

Locus ID: 727

MW: 16.4