

## Product datasheet for **RG207784**

### Complement Component 6 (C6) (NM\_000065) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Complement Component 6 (C6) (NM_000065) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Complement Component 6
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

**ORF Nucleotide Sequence:**

>RG207784 representing NM\_000065  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGGCCAGACGCTCTGTCTTGTACTTCATCCTGCTGAATGCTCTGATCAACAAGGGCCAAGCCTGCTTCT  
 GTGATCACTATGCATGGACTCAGTGGACCAGCTGCTCAAAAACTTGCAATTCTGGAACCCAGAGCAGACA  
 CAGACAAATAGTAGTAGATAAGTACTACCAGGAAAACCTTTTGTGAACAGATTTGCAGCAAGCAGGAGACT  
 AGAGAATGTAAGTGGCAAAGATGCCCATCAACTGCCTCCTGGGAGATTTTGGACCATGGTCAGACTGTG  
 ACCCTTGTATTGAAAAACAGTCTAAAGTTAGATCTGTCTTGCCTCCAGTCAGTTTGGGGACAGCCATG  
 CACTGAGCCTCTGGTAGCCTTTCAACCATGCATTCATCTAAGCTCTGCAAAATGAAGAGGCTGACTGC  
 AAGAATAAATTTGCTGTGACAGTGGCCGCTGCATTGCCAGAAAGTTAGAATGCAATGGAGAAAATGACT  
 GTGGAGACAATTCAGATGAAAGGGACTGTGGGAGGACAAAGGCAGTATGCACACGGAAGTATAATCCCAT  
 CCCTAGTGTACAGTTGATGGGCAATGGGTTTCATTTTCTGGCAGGAGAGCCAGAGGAGAAGTCTTGAT  
 AACTCTTTCACTGGAGGAATATGTAAAACGTGCAAAAGCAGTAGGACAAGTAATCCATACCGTGTCCGG  
 CCAATCTGGAAAAATGTCGGCTTTGAGGTACAACTGCAGAAGATGACTTGAAAACAGATTTCTACAAGGA  
 TTTAACTTCTCTTGGACACAATGAAAATCAACAAGGCTCATTCTCAAGTCAGGGGGGAGCTCTTTCACT  
 GTACCAATTTTTTATTCTCAAAGAGAAGTGAATAATCAACCATAATTCTGCCTTCAAACAAGCCATTC  
 AAGCCTCTCACAAAAAGGATTCTAGTTTTATTAGGATCCATAAAGTGATGAAAGTCTTAACTTCACAAC  
 GAAAGCTAAAGATCTGCACCTTTCTGATGTCTTTTGAAGCACTTAACCATCTGCCTCTAGAATACAAC  
 TCTGCTTTGTACAGCCGAATATTCGATGACTTTGGGACTCATTACTTCACCTCTGGCTCCCTGGGAGGCG  
 TGTATGACCTTCTATCAGTTTAGCAGTGAGGAACTAAAGAAGTCAAGTTTAAACCGGAAAGGCCAA  
 ACCTGTGTGAGGATTGAAACAAAGAAACGCGTTTTTATTGCTAAGAAAACAAAAGTGGAAACATAGGTGC  
 ACCACCAACAAGCTGTACAGAAACATGAAGGTTCAATTTACAGGGAGCAGAGAATCCATATCCCTGA  
 TTCAGAGTGGAAGGAGTGAATATGGAGCAGCTTTGGCATGGGAGAAAGGAGCTCTGGTCTGGAGGAGAA  
 GACATTTTCTGAGTGGTTAGAATCAGTGAAGGAAAATCCTGCTGTGATTGACTTTGAGCTTGCCCCATC  
 GTGGACTTGGTAAGAAACATCCCCTGTGCAGTGACAAAACGGAACAACCTCAGGAAAGCTTTGCAAGAGT  
 ATGCAGCCAAGTTCGATCCTTGCAGTGTCTCCATGCCCTAATAATGGCCGACCCACCCTCTCAGGGAC  
 TGAATGTCTGTGTGTGTGTCAGAGTGGCACCTATGGTGAGAACTGTGAGAAACAGTCTCCAGATTATAAA  
 TCCAATGCAGTAGACGGACAGTGGGTTGTTGGTCTTCTGGAGTACCTGTGATGCTACTATAAGAGAT  
 CGAGAACCCGAGAATGCAATAATCTGCCCCCAACGAGGAGGGAAACGCTGTGAGGGGGAGAAGCGACA  
 AGAGGAAGACTGCACATTTTCAATCATGAAAAACAATGGACAACCATGTATCAATGATGATGAAGAAATG  
 AAAGAGGTCGATCTTCTGAGATAGAAGCAGATTCCGGGTGTCCTCAGCCAGTTCCTCCAGAAAATGGAT  
 TTATCCGGAATGAAAAGCAACTACTTGGTTGGAGAAGATGTTGAAATTCATGCCTTACTGGCTTTGA  
 AACTGTTGGATACCAGTACTTCAGATGCTTACCAGACGGGACCTGGAGACAAGGGGATGTGGATGCCAA  
 CGGACGGAGTGCATCAAGCCAGTTGTGCAGGAAGTCTGACAATTACCCATTTTCAAGAGATTGTATAGAA  
 TTGGTGAATCCATTGAGCTAACTTGCCCAAAGGCTTTGTTGTTGCTGGCCATCAAGGTACACATGCCA  
 GGGGAATTCCTGGACACCACCCATTTCAAACCTCTCACCTGTGAAAAAGATACTTAACAAAATTA  
 GGCCATTGTGAGTGGGACAGAAACAATCAGGATCTGAATGCATTTGTATGTCTCCAGAAGAACTGTA  
 GCCATCATTGAGAAGATCTGTGTGTTTGACACAGACTCCAACGATTACTTTACTTACCCGCTGTGAA  
 GTTTTTGGCTGAGAAATGTTTAAATAATCAGCAACTCCATTTTCTACATATTGGTTCTGCCAAGACGGC  
 CGCCAGTTAGAATGGGGTCTTGAAGGACAAGACTTTTCAACAGCACAAGAAAGAATCCTGTGGCT  
 ATGACACCTGCTATGACTGGGAAAAATGTTGAGCCTCCACTTCCAAATGTGTCTGCCTATTGCCCCACA  
 GTGCTTCAAGGGTGGAAACCAACTCTACTGTGCAAAATGGGATCATCAACAAGTGAAGAAAACATTGAAC  
 ATCTGTGAAGTGGAACTATAAGATGTGCAAAACAGGAAGATGAAATACTGCATCCTGAAAGTGTGTTGG  
 CC

AG**CGGACCG**ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

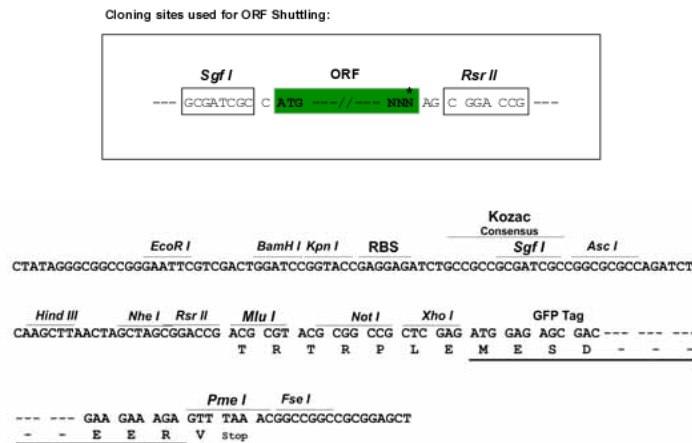
**Protein Sequence:** >RG207784 representing NM\_000065  
 Red=Cloning site Green=Tags(s)

MARRSVLYFILLNALINKGQACFCDHYAWTQWTSCKTCSNGTQSRHRQIVVDKYYQENFCEQICSKQET  
 REC�WQRCPINCLLGFDPWSDCDPCIEKQSKVRSVLRPSQFGGQPCTEPLVAFQPCIPSKLCKIEEADC  
 KNKFRCDSGRCIARKLECNGENDCGNSDERDCGRKAVCTRKYNPISVQLMGNGFHLFAGEPRGEVLD  
 NSFTGGICKTVKSSRTSNPYRVPANLENVGFVQTAEDDLKTDYKDLTSLGHNENQQGSFSSQGGSSFS  
 VPIFYSSKRSENIHNSAFKQAIQASHKKDSSFIRIHKVMKVLNFTTKAKDLHLSDVFLKALNHLPLEYN  
 SALYSRIFDDFGTHYFTSGSLGGVYDLLYQFSSEELKNSGLTEEEAKHCVRIETKKRVLFAKKTKEVHRC  
 TTNKLESEKHEGSFIQGAEKISLIRGGRSEYGAALAWEKSSGLEEKTFSEWLESVKENPAVIDFELAPI  
 VDLVRNIPCAVTKRNNLRKALQEYAAKFDPCQCAPCNNGRPTLSGTECLCVCQSGTYGENCEKQSPDYK  
 SNAVDGQWGCWSSWSTCDATYKRSRTREC�NPAPQGGKRCEGEKRQEEDCTFSIMENNGQPCINDDEEM  
 KEVDLPEIEADSGCPQVPPENGFIRNEKQLYL VGEDVEISCLTGFETVGYQYFRCLPDGTWRQGDVECC  
 RTECIKPVVQEVLTITPFQRLYRIGESIELTCPKGFVAGPSRYTCQGNWTPPISNSLTCEKDTLTKLK  
 GHCQLGQKQSGSEICMSPEEDCSHHSDEL CVFDTDSNDYFTSPACKFLAEKCLNNQQLHFLHIGSCQDG  
 RQLEWGLERTLSSNSTKKE SCGYDTCYDWEKCSASTSKCVCLLPQCFKGGNQLYCVKMGSSSTSEKTLN  
 ICEVGTIRCANRMEILHPGKCLA

SGPTRRRLE - GFP Tag - V

**Restriction Sites:** SgfI-RsrII

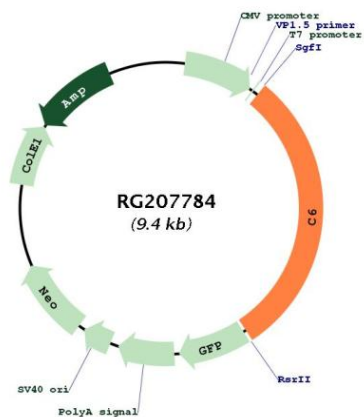
**Cloning Scheme:**



**ACCN:** NM\_000065

<b>ORF Size:</b>	2802 bp
<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_000065.1</a> , <a href="#">NP_000056.1</a>
<b>RefSeq Size:</b>	3551 bp
<b>RefSeq ORF:</b>	2805 bp
<b>Locus ID:</b>	729
<b>UniProt ID:</b>	<a href="#">P13671</a>
<b>Cytogenetics:</b>	5p13.1
<b>Domains:</b>	CCP, tsp_1, MACPF, ldl_recept_a, kazal, FIMAC
<b>Protein Families:</b>	Druggable Genome, Secreted Protein
<b>Protein Pathways:</b>	Complement and coagulation cascades, Prion diseases, Systemic lupus erythematosus
<b>Gene Summary:</b>	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]

Product images:



Circular map for RG207784