

## Product datasheet for **RC207784**

### 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:	Myc-DDK
Symbol:	Complement Component 6
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>RC207784 ORF sequence  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
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Protein Sequence: >RC207784 protein sequence  
 Red=Cloning site Green=Tags(s)

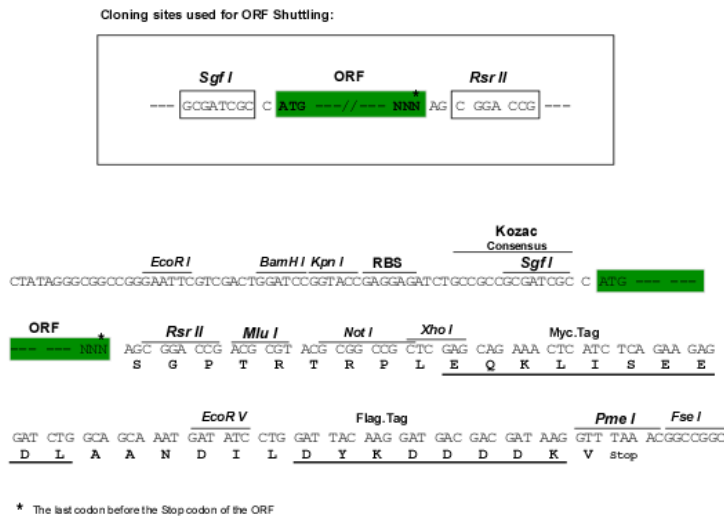
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Chromatograms: [https://cdn.origene.com/chromatograms/mk6185\\_h07.zip](https://cdn.origene.com/chromatograms/mk6185_h07.zip)

Restriction Sites: SgfI-RsrII

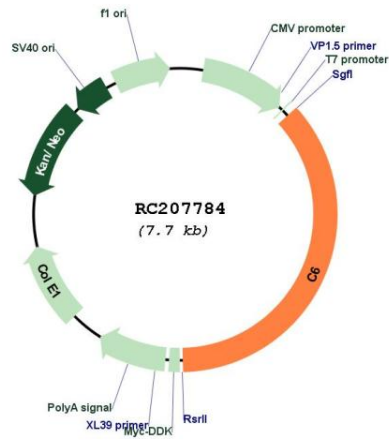
Cloning Scheme:



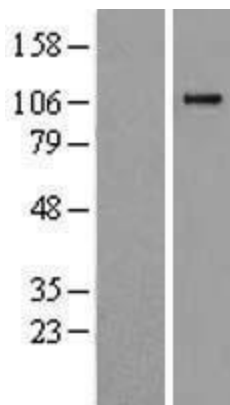
ACCN: NM\_000065

<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>	3722 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>MW:</b>	104.8 kDa
<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]

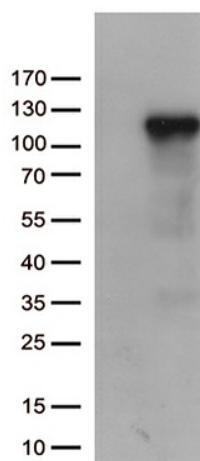
Product images:



Circular map for RC207784



Western blot validation of overexpression lysate (Cat# [LY426524]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with [RC226266] using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



HEK293T cells were transfected with the pCMV6-ENTRY control (Cat# [PS100001], Left lane) or pCMV6-ENTRY C6 (Cat# RC207784, Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-C6 (1:500) (Cat# [TA812711]). Positive lysates [LY400016] (100ug) and [LC400016] (20ug) can be purchased separately from OriGene.