

## Product datasheet for **RN216665**

### **Casc4 (NM\_001271283) Rat Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Casc4 (NM_001271283) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Casc4
Synonyms:	RGD1305985
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >RN216665 representing NM\_001271283  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGGTGGGTTTCGGGGCCAACCGCGGGCGGGCCGCTGCCGTCCTTCGTGCTGGTGGTGTCTGGGTAG  
 TCATCGTTGTCTTGCCTTCAACTACTGGAGCATCTCCTCCCGCCACGTTCTGCTTCAAGAGGAGGTGGC  
 CGAGCTGCAGGGCCAGGTCCAGCGCACCGAGGTGGCCCGTGGGCGCCTGGAGAAGCGCAATTCGGACCTT  
 TTA<sup>CT</sup>CTTGGTGGACACGCATAAGAAACAGATCGACCAGAAGGAGGCCGACTACGGCCGCTCAGCAGCC  
 GGCTGCAGGCTAGGGAAGGCCTGGGAAGAGATGCGAGGATGACAAGGTTAAGCTACAAAACAACATATC  
 ATATCAGATGGCAGACATACATCATTTAAAGGAACAAC<sup>TGG</sup>TGAGCTTCGTGAGGATTTCTTCGACAA  
 GAAGATCAGTTCAGACTACAGAAAGAATAACACATACCTTGTAAAGCGGTTAGAGTACGAGAGTTTTC  
 AGTGTGGCCAGCAGATCAAGGAGTTAAGAGCACAAATGAAGAAAATATTA<sup>AAAA</sup>ATTAGCAGATCAGTT  
 TTTGCAGGAACAAAAGGAGAACCATAAGATTCAATCAAATGATGAAAAGAATTGGGTAGAAATGATCAT  
 GTAGCACCTAAAAATATTC<sup>CAAA</sup>TGTCCCTGAAAATGATGCAAATAAAAAATGAGGACCCCTCAAGCAATC  
 ATCTTCCACATGGGAAAGAACAAGTCAAACGAGTTGGTGTATGCAGGGATGCCTGGAGTAGAAGAGAAATGA  
 TCTAGCAAAAGTAGATGATCTTCTGCTGCTTTAAAGAAGCCCTGTGTAGCTTCTCAACATGAAAGT  
 CATCAAACCATATCCCATCTTCTAACTGGACAGCCTCTCTCAGCAAACATGGCTGCAGGTTACACATCTAA  
 ACCAGAATGAAAATCCTAGTACTTCAAACAGAACCCCTCAAATCCTCTTCAGCACATAATTCCAGGCC  
 AAACCTGGAGCGAGAACCAGAATTCAAACAGACACGATAAAGCAGGCCACCAAGGACAGAGCCAATGAT  
 TTCCACAAGTTGAAGCAAAGCCGGTCTTTGATGAAAATGAGTCCCTGTTGATCCGAGCATGGCTCTA  
 AACTGGCGGATTATAATGGGGATGATGGTAACGTAGGTAGTATGAGGCAGACAAGCAGGCTGAGCTGCC  
 TTACAATGAGGAAGAAGATGGTGTGGTGGAGAGGAAGACGTCCAAGATGATGAGGAACGAGAGCTTCAG  
 ATGGATCCTCGGACTATGGCAAACAGCGCTTCAGTGTATGTCCTT**TAA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** Sgfl-MluI
- ACCN:** NM\_001271283
- Insert Size:** 1308 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).
- OTI Annotation:** Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
- 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:**

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\\_001271283.1](#), [NP\\_001258212.1](#)

**RefSeq Size:** 3897 bp

**RefSeq ORF:** 1308 bp

**Locus ID:** 362204

**Cytogenetics:** 3q35