

## Product datasheet for **RC235853**

### CCL28 (NM\_001301873) Human Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** CCL28 (NM\_001301873) Human Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** CCL28  
**Synonyms:** CCK1; MEC; SCYA28  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**ORF Nucleotide Sequence:** >RC235853 ORF sequence  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGCATCGCC**

ATGCAGCAGAGAGGACTCGCCATCGTGGCCTTGGCTGTCTGTGCGGCCCTACATGCCTCAGAAGCCATAC  
TTCCATTGCCTCCAGCTGTTGCACGGAGGTTTACATCATATTTCCAGAAGGCTCTGGAAGAGTGAA  
TATGTGTCGCATCCAGAGAGCTGATGGGATTGTGACTTGGCTGTCTCATCCTTCATGTCAAGCGCAGA  
AGAATCTGTGTCAGCCCGCACAACCATACTGTTAAGCAGTGGATGAAAGTGAAGCTGCCAAGAAAAATG  
GTAAAGGAAATGTTTGCCACAGGAAGAAACACCATGGCAAGAGGAACAGTAACAGGGCACATCAGGGGAA  
ACACGAAACATACGGCCATAAACTCCTTAT

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >RC235853 protein sequence  
Red=Cloning site Green=Tags(s)  
MQQRGLAIVALVCAALHASEAILPIASSCCTEVSHHISRLLERVNMCRIRADGDCDLAAVILHVKRR  
RICVSPHNHTVKQWQMKVQAACKNGKGNVCHRKKHHGKRNSNRAHQKHETYGHKTPY

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:** [https://cdn.origene.com/chromatograms/mk6548\\_f11.zip](https://cdn.origene.com/chromatograms/mk6548_f11.zip)

**Restriction Sites:** SgfI-MluI



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**Cloning Scheme:**


**ACCN:** NM\_001301873

**ORF Size:** 381 bp

**OTI Disclaimer:** 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. [More info](#)

**OTI Annotation:** This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

**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\\_001301873.2](#)

**RefSeq Size:** 1370 bp

**RefSeq ORF:** 384 bp

**Locus ID:** 56477

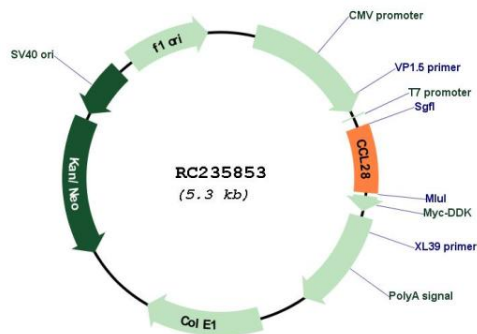
**UniProt ID:** [Q9NRJ3](#)

**Cytogenetics:** 5p12  
**Protein Families:** Druggable Genome, Secreted Protein  
**Protein Pathways:** Chemokine signaling pathway, Cytokine-cytokine receptor interaction

**MW:** 14.3 kDa

**Gene Summary:** This antimicrobial gene belongs to the subfamily of small cytokine CC genes. Cytokines are a family of secreted proteins involved in immunoregulatory and inflammatory processes. The CC cytokines are proteins characterized by two adjacent cysteines. The cytokine encoded by this gene displays chemotactic activity for resting CD4 or CD8 T cells and eosinophils. The product of this gene binds to chemokine receptors CCR3 and CCR10. This chemokine may play a role in the physiology of extracutaneous epithelial tissues, including diverse mucosal organs. Multiple transcript variants encoding two different isoforms have been found for this gene. [provided by RefSeq, Sep 2014]

**Product images:**



Circular map for RC235853