

## Product datasheet for **MC200503**

### **Ctgf (BC006783) Mouse Untagged Clone**

#### **Product data:**

|                           |                                      |
|---------------------------|--------------------------------------|
| Product Type:             | Expression Plasmids                  |
| Product Name:             | Ctgf (BC006783) Mouse Untagged Clone |
| Tag:                      | Tag Free                             |
| Symbol:                   | Ctgf                                 |
| Synonyms:                 | Hcs24, fisp-12                       |
| Mammalian Cell Selection: | Neomycin                             |
| Vector:                   | PCMV6-Kan/Neo (PCMV6KN)              |
| E. coli Selection:        | Kanamycin (25 ug/mL)                 |



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**Fully Sequenced ORF:** >BC006783  
 GAAGACTCAGCCAGATCCACTCCAGCTCCGACCCAGGAGACCGACCTCCTCCAGACGGCAGCAGCCCCA  
 GCCCAGCCGACAACCCAGACGCCACCGCTGGAGCGTCCAGACACCAACCTCCGCCCTGTCCGAATCC  
 AGGCTCCGGCCGCGCCTCTCGTCGCTCTGCACCTGTGTGCATCCTCTACCGCGTCCCGATCATGCT  
 CGCCTCCGTGCGAGTCCCATCAGCCTCGCCTTGGTGTCTCTCGCCTCTGCACCCGGCCTGCTACGGGC  
 CAGGACTGCAGCGCGCAATGTCACTGCGCAGCCGAAGCAGCGCCGCACTGCCCGCCGGCTGAGCCTGG  
 TGCTGGACCGCTGCGGCTGCTGCCGCTCTGCCCAAGCAGCTGGGAGAAGTGTGTACGGAGCGTGACCC  
 CTGCGACCCACACAAGGGCCTTCTGCGATTTGGCTCCCCGCAACCGCAAGATCGGAGTGTGCACT  
 GCCAAAGATGGTGACCCCTGTGTCTTGGTGGGTGGTGTACCGCAGCGGTGAGTCTTCCAAGCAGCT  
 GCAAAATACCAATGCACTTGCCTGGATGGGGCCGTGGGCTGCGTGCCCTGTGCAGCATGGACGTGCGCT  
 GCCCAGCCCTGACTGCCCTTCCGAGAAGGGTCAAGCTGCCTGGGAAATGCTGCGAGGAGTGGGTGTGT  
 GACGAGCCCAAGGACCGCACAGCAGTTGGCCCTGCCCTAGCTGCCTACCGACTGGAAGACACATTTGGCC  
 CAGACCCAATATGATGCGAGCCAATGCCTGGTCCAGACCACAGAGTGGAGCGCCTGTTCTAAGACCTG  
 TGGGATGGGCATCTCCACCCGAGTTACCAATGACAATACCTTCTGCAGACTTGAGAAGCAGAGTCGCCCT  
 TGCATGGTCAGGCCCTGCGAAGTGACCTGGAGGAAAACATTAAGAAGGGCAAAAAGTGCATCCGGACAC  
 CTAATAATCGCAAGCCTGTCAAGTTGAGCTTTCTGGCTGCACCAAGTGTGAAGACATACAGGGCTAAGTT  
 CTGCGGGGTGTGCACAGACGGCCGTGCTGCACACCGCACAGAACCACCACTCTGCCAGTGGAGTTCAAA  
 TGCCCCGATGGCGAGATCATGAAAAAGAAATATGATGTTTCAAGACCTGTGCTGCCATTACAAGTGTG  
 CTGGGGACAATGACATCTTTGAGTCCCTGTACTACAGGAAGATGTACGGAGACATGGCGTAAAGCCAGGA  
 AGTAAGGGACACGAACCTATTAGACTATAACTTGAAGTGTGATCTCATTCTTCTGTAAAAACAA  
 TTACAGTAGCACATTAATTTAAATCTGTGTTTTAACTACCGTGGGAGGAACTATCCACCAAAGTGAGA  
 ACGTTTATGTCATGGCCATAACAAGTAGTCTGTCAACCTCAGACACTGGTTTCGAGACAGTTACACTTGAC  
 AGTTGTTTATTAGCGCACAGTGCCAGAACGCACACTGAGGTGAGTCTCCTGGAACAGTGGAGATGCCAGG  
 AGAAAGAAAGACAGGTAAGTACTAGCTGAGGTTATTTTAAAAGCAGCAGTGTGCCTACTTTTTGGAGTGAAC  
 GGGGAGGGCAATTATAGCATGCTTGACAGACAGCTGCTCTAGCGAGAGCTGAGCATGTGCTCCTCCACTA  
 GATGAGGCTGAGTCCAGCTGTTCTTTAAGAACAGCAGTTTCAGCTCTGACCATTCTGATTCCAGTGACAC  
 TTGTCAGGAGTCAGAGCCTTGTCTGTTAGACTGGACAGCTTGTGGCAAGTAAAGTTGCTGTAACAAGCC  
 AGATTTTTATTGATATTGTAATATTGTGGATATATATATATATATATTTGTACAGTTATCTAAGTTAAT  
 TAAAGTCATTTGTTTTGTTTTAAGTGTCTTTGGGATTTTAACTGATAGCCTCAAACCTCAAACACCA  
 TAGGTAGGACACGAAGCTTATCTGTGATTCAAACAAAGGAGATACTGCAGTGGGAATTGTGACCTGAGT  
 GACTCTCTGTGAGAACAAATGCTGTGCAGGTGATAAAGCTATGTATTGGAAGTCAGATTTCTAGTAGGAA  
 ATGTGGTCAAATCCCTGTTGGTGAACAAATGGCCTTTATTAAGAAATGGCTGGCTCAGGGTAAGGTCCGA  
 TTCTACAGGAAGTGTGCTGCTCTTTGATTATGACTGGTTTGGGGTGGGGGCAGTTATTTGTTG  
 AGAGTGTGACCAAAGTTACATGTTTGACCTTTCTAGTTGAAAATAAAGTATATATATATTTTTTATAT  
 GAAAAAAAAAAAAAAAAAAAAA

**Restriction Sites:** RsrII-NotI

**ACCN:** BC006783

**Insert Size:** 1047 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).

**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:** [BC006783](#), [AAH06783](#)

**RefSeq Size:** 2334 bp

**RefSeq ORF:** 1047 bp

**Locus ID:** 14219

**Cytogenetics:** 10 11.84 cM

**Gene Summary:** Major connective tissue mitotractant secreted by vascular endothelial cells. Promotes proliferation and differentiation of chondrocytes (By similarity). Mediates heparin- and divalent cation-dependent cell adhesion in many cell types including fibroblasts, myofibroblasts, endothelial and epithelial cells (By similarity). Enhances fibroblast growth factor-induced DNA synthesis (By similarity).[UniProtKB/Swiss-Prot Function]