

## Product datasheet for **MC201835**

### Chga (NM\_007693) Mouse Untagged Clone

#### Product data:

|                           |                                       |
|---------------------------|---------------------------------------|
| Product Type:             | Expression Plasmids                   |
| Product Name:             | Chga (NM_007693) Mouse Untagged Clone |
| Tag:                      | Tag Free                              |
| Symbol:                   | Chga                                  |
| Synonyms:                 | cgA; Ch; ChrA                         |
| Mammalian Cell Selection: | Neomycin                              |
| Vector:                   | PCMV6-Kan/Neo (PCMV6KN)               |
| E. coli Selection:        | Kanamycin (25 ug/mL)                  |



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**Fully Sequenced ORF:** >BC026554 sequence for NM\_007693  
 CCCACGCGTCCGACCGCTGTACCACCACCGCTACTGCAGTGTTCCCGCTGGTGCAGAGCTTTGGTAGCC  
 AGACTACAGACCCACTCCCGCCATCCTCCTGCAGCAGCTCGTCCACTCTTCCGCACCGTCCGGCTCGT  
 ATGCGCTCCACCGCGTTCTGGCGCTTCTGCTGTGCGCCGGGCAAGTTTTGCCCTTCTGTGAACAGCC  
 CCATGACAAAAGGGGACACCAAGGTGATGAAGTGCCTGGAAGTCATCTCCGACTCGCTGTCAAACC  
 CAGCCCCATGCCTGTGAGCCCTGAGTGTCTGGAGACCTCCAAGGAGACGAGAGGATCCTCTATCCTG  
 CGACCCAGAATCTGCTGAAGGAACTTCAAGACCTGGCTCTCAAGGTGCCAAGGAGCGGGCCAGCAGC  
 CGCTGAAGCAGCAGCAGCCGCGAAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGC  
 CAGCAGCTTTGAGGATGAACTCTCAGAAGTGTGAGAACCAGAGCCCTGATGCCAAGCAGACAGACGCA  
 GCAGCAGAAGTGCCTCCAGGGACACTATGGAGAAGAGAAAGATTCTGACAAGGGACAACAGGATGGCT  
 TTGAGGCAACCACAGAGGGACCTAGGCCTCAGGCCTTCCAGAGCCTAACCAAGAGTCCCCATGATGGG  
 AGACAGTGAGTCCCCTGGGGAGGACACAGCCACCAATACCCAATCACCAACCAGCCTCCCCAGCCAGGAG  
 CATGTGGACCCACAGGCCACGGGAGACAGTGAGAGAGGCCTGAGTGCCCAACAGCAAGCCAGAAAAGCCA  
 AGCAAGAGGAGAAAGAAGAGGAGGAGGAAGAGGAGGCTGTGGCTAGAGAGAAGGCTGGGCCTGAAGAAGT  
 CCCCCTGCAGCATCCAGTTCCTACTTCCATGCAGGCTACAAAGCGATCCAGAAAGATGATGGTCCAGTCCG  
 GACTCTCAGGCAGTGGATGGAGATGGAAAGACAGAGGCTTCCGAAGCTCTGCCGTCTGAAGGGAAGGGGG  
 AGCTGGAGCACTCTCAGCAGGAGGAAGATGGGGAAGAGGCCATGGTAGGGACCCCAAGGTCTCTTCCC  
 CCAAGGCGGGAAGGGCCGGGAGCTGGAACATAAGCAGGAGGAAGAGGAAGAGGAGGAGGAGCGTCTGTCC  
 AGAGAATGGGAGGACAAGCGATGGAGCAGGATGGACCAGCTGGCCAAAGAGCTGACAGCAGAGAAGCGGC  
 TGGAGGGCGAGGATGACCCTGACCGCTCCATGAAGCTCTCTTCCGGACCCGCGCCTATGGCTTCAGAGA  
 TCCTGGGCCTCAGCTACGCAGGGGCTGGAGGCCATCTTCCAGAGAAGACAGTGTGGAGGCCCGAAGTGAC  
 TTTGAGGAAAAGAAGGAAGAGGAGGGCAGCGCCAAACCGCAGAGCAGAGGACCAGGAGCTAGAGAGCCTGT  
 CAGCCATCGAGGCAGAGCTGGAGAAGTGGCCACCAGCTGCAGGCTTTGCGGCGGGGATGAGGCCCTGG  
 CTGGTGGGGCCAGCCATGGCTTCAAGGCCAGACTGCTGCTCGAGTAGGGCTGCTTCCAGCCACAGAGCCC  
 AGGTTACCCCTTTGCCCTCACCTTCTTGTCTCAGCCCCTGCCCTGGACACTTCTGCAGGGCAGCC  
 CTGAATGTCAGCACAGATTCTTCTCTGAACACAGGCAGCTTTCTAGAAGTTTCTTCCACCTTCTAT  
 CCATGGGGCACAACCTGCAATAACTTCTGACCTTTGGGCGAAAGCCGAGAACTCCTGACTATTAAGATATT  
 CCAGATAAAATATATTGAAGGAAGAATAAAGTGCCTTTGGGCTCTTAAAAAAAAAAAAAAAAAAAAAAAAAA AA

**Restriction Sites:** RsrII-NotI

**ACCN:** NM\_007693

**Insert Size:** 1392 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:** [BC026554](#), [AAH26554](#)

RefSeq Size: 1892 bp

RefSeq ORF: 1392 bp

Locus ID: 12652

UniProt ID: [P26339](#)

Cytogenetics: 12 51.66 cM

**Gene Summary:** This gene encodes a member of the granin family of acidic secretory glycoproteins that are expressed in endocrine cells and neurons. The encoded preproprotein undergoes proteolytic processing to generate multiple functions peptides including pancreastatin, catestatin and serpinin. The encoded protein plays important roles in the neuroendocrine system including regulated secretion of peptide hormones and neurotransmitters. Mice lacking the encoded protein exhibit elevated blood pressure which can be rescued by transgenic expression of the human ortholog. [provided by RefSeq, Nov 2015]