

## Product datasheet for **RR211862**

### Chgb (NM\_012526) Rat Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Chgb (NM_012526) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Chgb
Synonyms:	MGC156676
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide  
Sequence:

>RR211862 representing NM\_012526  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGCAGCGGGCCATGCTCCTCGGCCTCCTGGGCGCAGCAGCTCTGGCTGTGTCATCTCAGTCCAGTGG  
 ATAACAGGGATCACAATGAAGAAATGGTGACTCGCTGCATTATTGAAGTCCTCTCAAATGCCCTATCCAA  
 GTCCAGTGCTCCAACCATCACCCCTGAGTGCCGCAAGTCTGAGGAAGAGTGAAAAAGAGGTCAAAGGT  
 GAAGAGAAAGGTGAAAATGAGAAGTTCGAAAGTTTGAAGTACGGTTGCTAAGAGACCCATCTGATGCCTCAG  
 TAGGCCGCTGGGCTCCAGTAGGGAGGAAACAGGGGCTCCAGTAGAAGACTCTCCAGGTCAGGCGAAGGT  
 AGACAATGAGGAGTGGACAGGAGGAGGAGGACACAGTTCGAGAGGCAGTAGATGACCAGGAGAGCCTCCAT  
 CCCTCCAACCAACAAGTGTCAAAGAAGCAAAGATACGCCATTCGGAGGAGAGGGGCGAAAAAGAGGAGG  
 AGGAGGAAGAAGCAAGATTTATCAAAGGGAGAGCATAGGGGAGATGCTGGTGAGGAGAAGAAACACAC  
 TGAAGAATCTGGAGAGAAACACAACGCCTTCTCCAACAAAAGAAGCGAAGCTTCAGTAAGAAAAAAGAG  
 GAGTCAGTGGCCAGAGCAGAGGCACACTTCGTGGAGCTGGAGAAGACACACAGCAGGGAGCAGAGCAGCC  
 AGGAGAGTGGAGAGGAGACGAGGAGGCAGGAGAAACCACAGGAGCTTCCCAGCAGGACCAGAGCGAGGA  
 AGAATCCGAGGAAGGCGAGGAAGGCGAGGAAGGCGCAACCTCAGAAGTAACCAAACGCAGGCCAGGAC  
 CACCACTGGAGAAGCCAGTCCAACAAGCCCTTACGAAGGGCGTCGTCTCTGTCTGAGGAAAGGAAAC  
 ATGCTGCTGGGGAGTCCAAGGATGCAAAATGTGGCCACAGCCAATTTAGGGGAAAAAGGGGCCACCACCT  
 AGCTCACTACCGGGCTTCAGAGGAAGAACCTGACTATGGGGAAGAATTGAGAAGCTATCCGGGCTCCAG  
 GCTCCCCAGGGACTGCAGTACCAGGGCAGAGGAAGTGAAGAGGTGAGAGCCCAAGCCCTCGGAGTGAGG  
 AGAGCCAGGAAAAGGAGTACAAGAGAAACCACCCGACTCTGAACTGAAAAGCACAGCAAAACAGACACAG  
 TGAAGAAACTGAGGAAGAGAGGAGTACGAGGGGCAAAGGGACGACAACACAGAGGCAGGGGGCGGGAG  
 CCAGGAGCTTATCCTGCTCTTGACAGCAGACAAGAAAAAGGCTCCTGGATGAAGGGCATGACCCTGTTT  
 ATGAAAGCCAGTAGATACGGCAAAAAGGTATCCACAAAGCAAATGGCAGGAACAGGAGAAAAACTACCT  
 CAACTATGACGAGGAAGGGGACCAAGGAAGATGGTGGCAGCAGGAAGAGCAGCTAGAACCAGGAAGAAAGC  
 AGGGAGGAAGTGAGCTTCCAGACAGACAATACGCGCCCTACCCCACTGAAAAGAGGAAGAGGCTAG  
 GGGCGCTGTTCAACCCGACTTTGACCCTCTCCAGTGAAGAATAGCGACTTTGAGAAAAAGGCAACCC  
 AGATGACAGTTTCTTGATGATGACGGCGAAGACGGAAATGGGGTGACAATGACTGAGAAGAATTTCTTC  
 CCAGAGTACAACATGACTGGTGGGAGAAAAGGCCCTTCTCGGAGGATGTGAATGGGGATATGAGAAGA  
 GAAGCTTTGCCAGGGCCCTCACTTGGACTTGAAAAGGCAATACGACGATGGAGTGGCTGAACTGGACCA  
 GCTCCTTCACTACAGGAAGAAGGAGCCGAATTTCCGACTTCTACGATTGAGAGGAGCAGATGGGGCT  
 CACCAGGAGGCAGAAGATGAAAAGGACAGGGCTGACCAGAGAGTTCTGACCGAGGAAGAGAAAAAGGAAC  
 TGGAGAACTTGGCGGCCATGGATCTGAACTGCAGAAAAAGCGGAAAAGTTCAGCCAGCGGGGC

**ACGCGT**ACGCGGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >RR211862 representing NM\_012526  
Red=Cloning site Green=Tags(s)

MQRAMLLGLLGAALAAVISAPVDNRDHNEEMVTRCIIIEVLSNALSKSSAPTITPECRQVLRKSGKEVKG  
 EEKGENENSKFEVRLLRDPDSASVGRWASSREETGAPVEDSPGQAKVDNEEWTGGGHSREAVDDQESLH  
 PSNQVSKAKIRHSEERGGKEEEEEEGKIYPKGEHRGDAGEEKKHTEESGEKHNAFSNKRSEASAKKKE  
 ESVARAEAHFVELEKTHSREQSSQESGEE TRRQEKPQELPDQDQSEEESEEGEEGEGATSEVTKRRPRH  
 HHWRSQSNKPSYEGRRPLSEERKHAAGESKDANVATANLGEKRGHHLAHYRASEEEDPDYGEELRSYPGFQ  
 APQGLQYQGRGSEEVRAVSPRSEESQEKEYKRHPDSELESTANRHSEETEEERSYEGAKGRQHRGRGRE  
 PGAYPALDSRQEKRLLEGHDPVHESPVD TAKRYPQSKWQEKEKNYLNIDEEDGQGRWWQEEQLEPEES  
 REEVSPDRQYAPYPTTEKRKRLGALFNPYFDPLQWKNSDFEKKGNPDDSFDDDDGEDGNGVTMTEKNFF  
 PEYNYDWEKRPFSQEDVNWGYEKRSFARAPHLDLKRQYDDGVAELDQLLHYRKKAAEFPDFYDSEEQMGP  
 HQEADEKDRADQRVLT EEEKKELENLAAMDLELQKIAEKFSQRG

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**



**ACCN:** NM\_012526

**ORF Size:** 2025 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\\_012526.2](#), [NP\\_036658.2](#)

**RefSeq Size:** 2564 bp

**RefSeq ORF:** 2028 bp

**Locus ID:** 24259

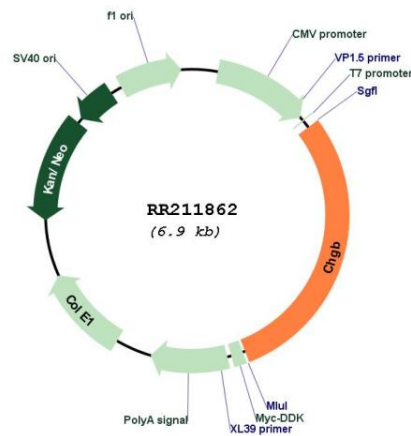
**UniProt ID:** [O35314](#)

**Cytogenetics:** 3q36

**MW:** 77.5 kDa

**Gene Summary:** secretory granule protein expressed in neuroendocrine cells [RGD, Feb 2006]

### Product images:



Circular map for RR211862