

## Product datasheet for **RG200492**

### Chromogranin A (CHGA) (NM\_001275) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Chromogranin A (CHGA) (NM_001275) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Chromogranin A
Synonyms:	CGA
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide Sequence:**

>RG200492 representing NM\_001275  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGCGCTCGCCGCTGTCTGGCTCTTCTGCTCTGCGCCGGCAAGTCACTGCGCTCCCTGTGAACAGCC  
 CTATGAATAAAGGGGATACCGAGGTGATGAAATGCATCGTTGAGGTCATCTCCGACACACTTTCCAAGCC  
 CAGCCCCATGCCTGTAGCCAGGAATGTTTTGAGACACTCCGAGGAGATGAACGGATCCTTTCCATTCTG  
 AGACATCAGAATTTACTGAAGGAGCTCCAAGACCTCGCTCTCCAAGGCGCCAAGGAGAGGGCACATCAGC  
 AGAAGAAACACAGCGTTTTGAAGATGAACTCTCAGAGTTCTTGAGAACCAGAGCAGCCAGGCCGAGCT  
 GAAAGAGGCGGTGGAAGAGCCATCATCCAAGGATGTTATGGAGAAAAGAGAGGATTCCAAGGAGGCAGAG  
 AAAAGTGGTGAAGCCACAGACGGAGCCAGGCCCCAGGCCCTCCCGAGCCATGCAGGAGTCCAAGGCTG  
 AGGGAAACAATCAGGCCCTGGGGAGGAAGAGGAGGAGGAGGAGGCCACCAACCCACCCTCCAGC  
 CAGCCTCCCAGCCAGAAATACCCAGGCCACAGGCCAGGGGGACAGTGAGGGCTCTCTCAGGGTCTG  
 GTGGACAGAGAGAAGGGCCTGAGTGCAGAGCCAGGGTGGCAGGCAAGAGAGAAGAGGAGGAGGAGGAGG  
 AGGAGGAGGCTGAGGCTGGAGAGGAGGCTGTCCCCGAGGAAGAAGGCCCCACTGTAGTGCTGAACCCCA  
 CCCGAGCCTTGGCTACAAGGAGATCCGGAAGGCGAGAGTCCGGTCCGAGGCTCTGGCTGTGGATGGAGCT  
 GGAAGCCTGGGGCTGAGGAGGCTCAGGACCCGAAGGGAAGGGAGAACAGGAGCACTCCAGCAGAAAAG  
 AGGAGGAGGAGGAGATGGCAGTGGTCCCAGGCTCTTCCGGGGTGGGAAGAGCGGAGAGCTGGAGCA  
 GGAGGAGGAGCGGCTCTCCAAGGAGTGGGAGGACTCCAACGCTGGAGCAAGATGGACCAGCTGGCCAAG  
 GAGCTGACGGCTGAGAAGCGGCTGGAGGGCAGGAGGAGGAGGAGGACAACCGGGACAGTCCATGAAGC  
 TCTCCTCCGGGCCCCGGCCTACGGCTTCAGGGCCCTGGGCCGACAGTGGCAGGAGCTGGAGGCCATC  
 CTCCCGGAGGACAGCCTTGAGGCGGGCCTGCCCTCCAGGTCGAGGCTACCCGAGGAGAAGAAGAG  
 GAGGAGGGCAGCCAAACCGCAGACCAGGAGCAGGAGCTGGAGAGCCTGTCGGCCATTGAGGCAGAGC  
 TGGAGAAAGTGGCCACCAGCTGCAGGCACTACGGCGGGG

**ACGCGTACGCGGCCGCTCGAG** - GFP Tag - GTTTAA

**Protein Sequence:**

>RG200492 representing NM\_001275  
 Red=Cloning site Green=Tags(s)

MRSAAVLALLLCAGQVTALPVNSPMNKGDEVMKCIVEVISDTLSKPSMPVVSQECFETLRGDERILSIL  
 RHQNLKELQDLALQAKERAHQKXSGFEDELSEVLENQSSQELKEAVEEPSKDVMEKREDSKEAE  
 KSGEATDGARPPALPEPMQESKAEGNNQAPGEEEEEEEEATNTHPPASLPSQKYPGPQAEQDSEGLSQGL  
 VDREKGLSAEPGWQAKREEEEEEEEEAEAGEEAVPEEEGPTVVLNPHPSLGYKEIRKGESRSEALAVDGA  
 GKPGAEAAQDPEGKGEQEHSQQKEEEEEEMAVVPQGLFRGKSGELEQEEERLSKEWEDSKRWSKMDQLAK  
 ELTAEKRLGQEEEEEDNRDSSMKLSFRARAYGFRGPGPQLRRGWRPSSREDSLEAGLPLQVRGYPEEKKE  
 EEGSANRRPEDQELESLSAIEAELEKVAHQQLALRRG

**TRTRPLE** - GFP Tag - V

**Restriction Sites:**

Sgfl-MluI

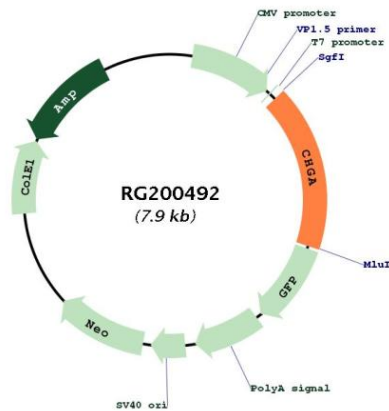


**Domains:** Granin

**Protein Families:** Druggable Genome, Secreted Protein

**Gene Summary:** The protein encoded by this gene is a member of the chromogranin/secretogranin family of neuroendocrine secretory proteins. It is found in secretory vesicles of neurons and endocrine cells. This gene product is a precursor to three biologically active peptides; vasostatin, pancreastatin, and parastatin. These peptides act as autocrine or paracrine negative modulators of the neuroendocrine system. Two other peptides, catestatin and chromofungin, have antimicrobial activity and antifungal activity, respectively. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Sep 2014]

**Product images:**



Circular map for RG200492