

## Product datasheet for **RC200492**

### 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:	Myc-DDK
Symbol:	Chromogranin A
Synonyms:	CGA
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

**ORF Nucleotide Sequence:**

>RC200492 ORF sequence  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGCGCTCCGCCGCTGTCTGGCTCTTCTGCTCTGCGCCGGCAAGTCACTGCGCTCCCTGTGAACAGCC  
 CTATGAATAAAGGGGATACCGAGGTGATGAAATGCATCGTTGAGGTCATCTCCGACACACTTTCCAAGCC  
 CAGCCCCATGCCTGTAGCCAGGAATGTTTTGAGACACTCCGAGGAGATGAACGGATCCTTTCCATTCTG  
 AGACATCAGAATTTACTGAAGGAGCTCCAAGACCTCGCTCTCCAAGCGCCAAGGAGAGGGCACATCAGC  
 AGAAGAAACACAGCGTTTTGAAGATGAACTCTCAGAGTTCTTGAGAACCAGAGCAGCCAGGCCGAGCT  
 GAAAGAGGCGGTGGAAGAGCCATCATCCAAGGATGTTATGGAGAAAAGAGAGGATTCCAAGGAGGCAGAG  
 AAAAGTGGTGAAGCCACAGACGGAGCCAGGCCCCAGGCCCTCCCGAGCCCATGCAGGAGTCCAAGGCTG  
 AGGGGAACAATCAGGCCCTGGGGAGGAAGAGGAGGAGGAGGAGGCCACCAACCCACCCTCCAGC  
 CAGCCTCCCAGCCAGAAATACCCAGGCCACAGGCCAGGGGGACAGTGAGGGCTCTCTCAGGCTCTG  
 GTGGACAGAGAGAAGGGCTGAGTGCAGAGCCAGGGTGGCAGGCAAGAGAGAAGAGGAGGAGGAGGAGG  
 AGGAGGAGGCTGAGGCTGGAGAGGAGGCTGTCCCCGAGGAAGAAGGCCCCACTGTAGTGCTGAACCCCCA  
 CCCGAGCCTTGGCTACAAGGAGATCCGGAAAGGCGAGAGTCGGTCCGAGGCTCTGGCTGTGGATGGAGCT  
 GGAAGCTGGGGCTGAGGAGGCTCAGGACCCGAAGGGAAGGGAGAACAGGAGCACTCCAGCAGAAAAG  
 AGGAGGAGGAGGAGATGGCAGTGGTCCCAGGCTCTTCCGGGGTGGGAAGAGCGGAGAGCTGGAGCA  
 GGAGGAGGAGCGGCTCTCCAAGGAGTGGGAGGACTCCAACGCTGGAGCAAGATGGACCAGCTGGCCAAG  
 GAGCTGACGGCTGAGAAGCGGCTGGAGGGCAGGAGGAGGAGGAGGACAACCGGGACAGTCCATGAAGC  
 TCTCTTCCGGGCCCGGGCTACGGCTTCAGGGCCCTGGGCCGAGCTGCGACGAGGCTGGAGGCCATC  
 CTCCCGGAGGACAGCCTTGAGGCGGGCTGCCCTCCAGGTCGAGGCTACCCCGAGGAGAAGAAAGAG  
 GAGGAGGGCAGCCAAACCGCAGACCAGAGGACCAGGAGCTGGAGAGCCTGTCGGCCATTGAGGCAGAGC  
 TGGAGAAAGTGGCCACCAGCTGCAGGCACTACGGCGGGG

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RC200492 protein sequence  
 Red=Cloning site Green=Tags(s)

MRSAAVLALLLCAGQVTALPVNSPMNKGDTEVMKCIVEVISDTLSKPSMPVVSQECFETLRGDERILSIL  
 RHQNLKELQDLALQGAKEAHQKKHSGFEDELSEVLENQSSQAEKAVEEPSSKDVMEKREDSKEAE  
 KSGEATDQARPQALPEPMQESKAEGNNQAPGEEEEEEEEATNTHPPASLPSQKYPGPQAEQDSEGLSQGL  
 VDREKGLSAEPGWQAKREEEEEEEEEAEAGEEAVPEEEGPTVVLNPHPSLGYKEIRKGESRSEALAVDGA  
 GKPGAEEAQDPEGKGEQEHSSQKEEEEEEMAVVPQGLFRGKSGELEQEEERLSKEWEDSKRWSKMDQLAK  
 ELTAEKRLGQEEEEEDNRDSSMKLSFRARAYGFRGPGPQLRRGWRPSSREDSLEAGLPLQVRGYPEEKKE  
 EEGSANRRPEDQELESLSAIEAELEKVAHQLQALRRG

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:**

[https://cdn.origene.com/chromatograms/mk6206\\_b11.zip](https://cdn.origene.com/chromatograms/mk6206_b11.zip)

**Restriction Sites:**

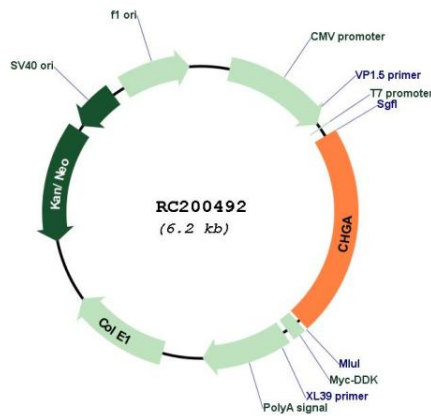
Sgfl-Mlul



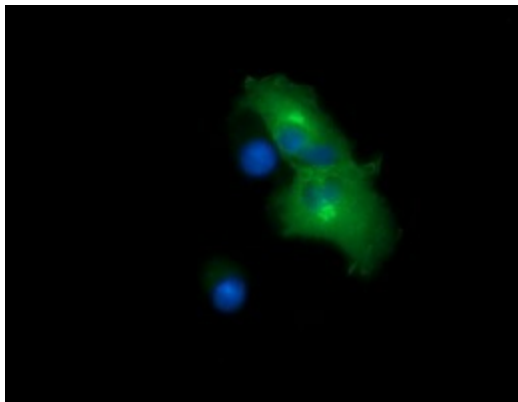
**UniProt ID:** [P10645](#)  
**Cytogenetics:** 14q32.12  
**Domains:** Granin  
**Protein Families:** Druggable Genome, Secreted Protein  
**MW:** 50.7 kDa

**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]

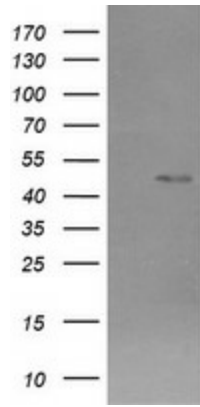
### Product images:



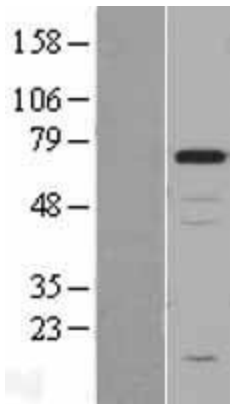
Circular map for RC200492



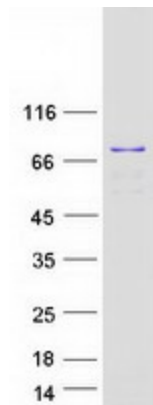
Anti-CHGA mouse monoclonal antibody ([TA506098]) immunofluorescent staining of COS7 cells transiently transfected by pCMV6-ENTRY CHGA (RC200492).



HEK293T cells were transfected with the pCMV6-ENTRY control (Cat# [PS100001], Left lane) or pCMV6-ENTRY CHGA (Cat# RC200492, Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-CHGA (Cat# [TA506098]). Positive lysates [LY400511] (100ug) and [LC400511] (20ug) can be purchased separately from OriGene.



Western blot validation of overexpression lysate (Cat# [LY400511]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC200492 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified CHGA protein (Cat# [TP300492]). The protein was produced from HEK293T cells transfected with CHGA cDNA clone (Cat# RC200492) using MegaTran 2.0 (Cat# [TT210002]).