

# Recombinant Human CHGA Protein, MYC/DDK-tagged, C13 and N15-labeled

Cat. No. CHGA-027H Lot. No. (See product label)

## SPECIFICATION

### Product Overview

CHGA MS Standard C13 and N15-labeled recombinant protein (NP\_001266) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.

### Species

Human

### Source

HEK293

### Description

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.

### Molecular Mass

50.7 kDa

### AA Sequence

MRSAAVLALLLCAGQVTALPVNSPMNKGDTVMKCIVEVISDTLSKPSPMPVVSQECF  
ETLRGDERILSILRHQNLLKELQDLALQGAKERAHQKKHSGFEDELSEVLENQSSQ  
AELKEAVEEPSSKDVMEKREDSKEAEKSGEATDGARPQALPEPMQESKAEGNNQA  
PGEEEEEEEEATNTHPPASLPSQKYPGPQAEAGDSEGLSQGLVDREKGLSAEPGWQ  
AKREEEEEEEEEAEAGEEAVPEEEGPTVVLNPHPSLGYKEIRKGESRSEALAVDGA

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GKPGAEAAQDPEGKGEQEHSQQKEEEEEEMAVVPQGLFRGGKSGELEQEEERLSK  
 EWEDSKRWSKMDQLAKELTAEKRLLEGQEEEEEDNRDSSMKLSFRARAYGFRGPGP  
 QLRRGWRPSSREDSLEAGLPLQVRGYPEEKKEEEGSANRRPEDQELESLSAIEAEL  
 EKVAHQLQALRRGTRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Purity** > 80% as determined by SDS-PAGE and Coomassie blue staining

**Stability** Stable for 3 months from receipt of products under proper storage and handling conditions.

**Storage** Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

**Concentration** 50 µg/mL as determined by BCA

**Storage Buffer** 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

## GENE INFORMATION

**Gene Name** CHGA chromogranin A [ Homo sapiens (human) ]

**Official Symbol** CHGA

**Synonyms** CHGA; chromogranin A; CGA; chromogranin-A; SP-I; betagranin (N-terminal fragment of chromogranin A); catestatin; chromofungin; parathyroid secretory protein 1; pituitary secretory protein I

**Gene ID** 1113

**mRNA Refseq** NM\_001275

**Protein Refseq** NP\_001266

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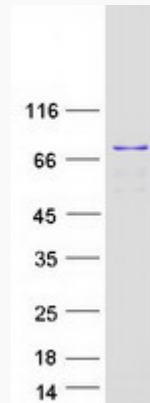
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MIM 118910

UniProt ID P10645

SDS-PAGE



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