

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	MRSAAVLALLLCAGQVTALPVNSPMNKGDTVMKCIVEVISDTLSKPSPMPVSQECF ETLRGDERILSILRHQNLLKELQDLALQGAKERAHQKKHSGFEDELSEVLENQSSQ AELKEAVEEPSSKDVMEKREDSKEAEKSGEATDGARPQALPEPMQESKAEGNNQA PGEEEEEEEEATNTHPPASLPSQKYPGPQAEGDSEGLSQGLVDREKGLSAEPGWQ AKREEEEEEEEEAEAGEEAVPEEEGPTVVLNPHPSLGYKEIRKGESRSEALAVDGA

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GKPGAEAAQDPEGKGEQEHSQQKEEEEEMAVVPQGLFRGGKSGELEQEEERLSK
EWEDSKRWSKMDQLAKELTAEKRLEGQEEEDNRDSSMKLSFRARAYGFRGPGP
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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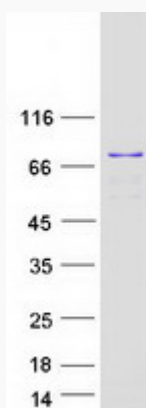
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MIM 118910

UniProt ID P10645

SDS-PAGE



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