

Recombinant Human CHGA Protein, GST-Tagged

Cat. No. CHGA-1229H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human CHGA full-length ORF (AAH06459.1, 1 a.a. - 457 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
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. [provided by RefSeq, Sep 2014]
Molecular Mass	77.1 kDa
AA Sequence	MRSAAVLALLLCAGQVTALPVNSPMNKGDTVMKCIVEVISDTLSKPSPMPVVSQECF ETLRGDERILSILRHQNLLKELQDLALQGAKERAHQKKHSGFEDELSEVLENQSSQ AELKEAVEEPSSKDVMEKREDSKEAEKSGEATDGARPQALPEPMQESKAEGNNQA PGEEEEEEEEATNTHPPASLPSQKYPGPQAEGDSEGLSQGLVDREKGLSAEPGWQ AKREEEEEEEEEAEAGEEAVPEEEGPTVVLNPHPSLGYKEIRKGESRSEALAVDGA GKPGAEAAQDPEGKGEQEHSQQKEEEEEMAVVPQGLFRGGKSGELEQEEERLSK

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EWEDSKRWSKMDQLAKELTAEKRLEGQEEEEEDNRDSSMKLSFRARAYGFRGPGP
QLRRGWRPSSREDSLEAGLPLQVRGYPEEKKEEEGSANRRPEDQELESLSAIEAEL
EKVAHQLQALRRG

Applications

Enzyme-linked Immunoabsorbent Assay
Western Blot (Recombinant protein)
Antibody Production
Protein Array

Storage

Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name

CHGA chromogranin A (parathyroid secretory protein 1) [Homo sapiens]

Official Symbol

CHGA

Synonyms

CHGA; chromogranin A (parathyroid secretory protein 1); chromogranin-A; pancreastatin; parastatin; vasostatin; SP-I; pituitary secretory protein I; parathyroid secretory protein 1; betagranin (N-terminal fragment of chromogranin A); CGA;

Gene ID

1113

mRNA Refseq

NM_001275

Protein Refseq

NP_001266

MIM

118910

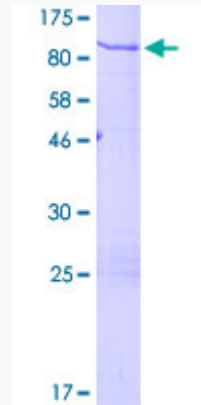
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UniProt ID

P10645

**Quality Control
Testing**

12.5% SDS-PAGE Stained with Coomassie Blue.

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