

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	MRSAAVLALLLCAGQVTALPVNSPMNKGDTVMKCIIVEVISDTLSKPSPMPVVSQECF 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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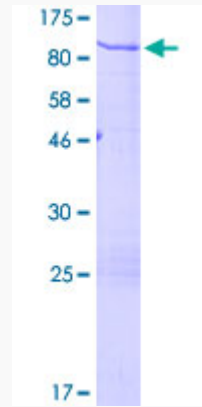
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UniProt ID

P10645

Quality Control
Testing



12.5% SDS-PAGE Stained with Coomassie Blue.

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