Recombinant Full Length Human CHGA Protein, GST-tagged

Cat. No. CHGA-3193HF **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	In Vitro Cell Free System
ProteinLength	457 amino acids
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	MRSAAVLALLLCAGQVTALPVNSPMNKGDTEVMKCIVEVISDTLSKPSPMPVSQECF ETLRGDERILSILRHQNLLKELQDLALQGAKERAHQQKKHSGFEDELSEVLENQSSQ AELKEAVEEPSSKDVMEKREDSKEAEKSGEATDGARPQALPEPMQESKAEGNNQA PGEEEEEEEEATNTHPPASLPSQKYPGPQAEGDSEGLSQGLVDREKGLSAEPGWQ AKREEEEEEEEEAEAGEEAVPEEEGPTVVLNPHPSLGYKEIRKGESRSEALAVDGA

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	GKPGAEEAQDPEGKGEQEHSQQKEEEEEMAVVPQGLFRGGKSGELEQEEERLSK EWEDSKRWSKMDQLAKELTAEKRLEGQEEEEDNRDSSMKLSFRARAYGFRGPGP 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

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