

Recombinant Human Chromogranin A

Cat. No. CHGA-403H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human Vasostatin 2 protein was expressed in E.coli and purified by using conventional chromatography techniques, 12.8 kDa (114aa)
Species	Human
Source	E.coli
Description	Vasostatin 2 is the N-terminal fragment (19-131 aa) derived from the cleavage of chromogranin A (CgA) which is a member of the chromogranin/secretogranin (granins) family of neuroendocrine secretory proteins. Vasostatin 2 has been shown to exert several biological activities on several tissues and organs and exerts a large spectrum of homeostatic actions, including antifungal and antimicrobial effect, modulation of cell adhesion, and inhibition of parathyroid hormone secretion.
Sequences of amino acids	MLPVNSPMNK GDTEVMKCIV EVISDTLSKP SPMPVSQECF ETLRGDERIL SILRHQNLLK ELQDLALQGA KERAHQQKKH SGFEDELSEVLENQSSQAEL KEAVEEPSSK DVME
Purity	> 95% by SDS - PAGE
Form	Liquid. In 20 mM Tris-HCl buffer (pH 8.0) containing 10% glycerol
Endotoxin Level	< 1.0 EU per 1 µg of protein (determined by LAL method)
Concentration	1 mg/ml (determined by Bradford assay)

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Storage

Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

GENE INFORMATION
Gene Name

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

Synonyms

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

Gene ID

1113

mRNA Refseq

NM_001275

Protein Refseq

NP_001266

MIM

118910

UniProt ID

P10645

**Chromosome
Location**

14q32

Function

calcium ion binding

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