

Recombinant Human CHGA Protein (19-457 aa), His-tagged

Cat. No. CHGA-1360H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human CHGA Protein (19-457 aa) is produced by Yeast expression system. This protein is fused with a 6xHis tag at the N-terminal. Research Area: Cancer. Protein Description: Full Length of Mature Protein.
Species	Human
Source	Yeast
ProteinLength	19-457 aa
Description	Pancreastatin: Strongly inhibits glucose induced insulin release from the pancreas. Catestatin: Inhibits catecholamine release from chromaffin cells and noradrenergic neurons by acting as a non-competitive nicotinic cholinergic antagonist . Displays antibacterial activity against Gram-positive bacteria S.aureus and M.luteus, and Gram-negative bacteria E.coli and P.aeruginosa . Can induce mast cell migration, degranulation and production of cytokines and chokines . Acts as a potent scavenger of free radicals in vitro . May play a role in the regulation of cardiac function and blood pressure.
Form	Tris-based buffer, 50% glycerol
Molecular Mass	50.9 kDa
AA Sequence	LPVNSPMNKGDTEVMKCIVEVISDTLSKPSPMPVSQECFETLRGDERILSILRHQNL KELQDLALQGAKERAHQKKHSGFEDELSEVLENQSSQAELKEAVEEPSSKDVME

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KREDSKEAEKSGEATDGARPQALPEPMQESKAEGNNQAPGEEEEEEEEATNTHPP
 ASLPSQKYPPQAEGLDSEGLSQGLVDREKGLSAEPGWQAKREEEEEEEEEAEAGE
 EAVPEEEGPTVVLNPHPSLGYKEIRKGESRSEALAVDGAGKPGAEAAQDPEGKGEQ
 EHSQQKEEEEEMAVVPQGLFRGGKSGELEQEEERLSKEWEDSKRWSKMDQLAKE
 LTAEKRLEGQEEEEEDNRDSSMKLSFRARAYGFRGPGPQLRRGWRPSSREDSLEAG
 LPLQVRGYPEEKKEEEGSANRRPEDQELESLSAIEAELEKVAHQQLALRRG

Purity > 90% as determined by SDS-PAGE.

Notes Repeated freezing and thawing is not recommended. Store working aliquots at 4 centigrade for up to one week.

Storage The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20 centigrade/-80 centigrade. The shelf life of lyophilized form is 12 months at -20 centigrade/-80 centigrade.

Concentration A hardcopy of COA with reconstitution instruction is sent along with the products. Please refer to it for detailed information.

GENE INFORMATION

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

Official Symbol CHGA

Synonyms CHGA; pancreastatin; parastatin; vasostatin; SP-I; CGA;

Gene ID 1113

mRNA Refseq NM_001275

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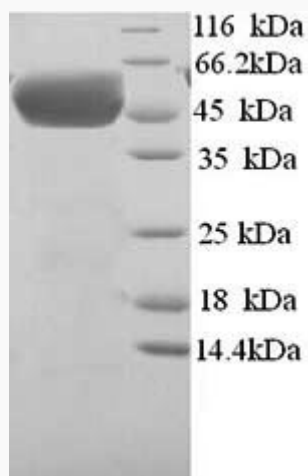
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Protein Refseq NP_001266

MIM 118910

UniProt ID P10645



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

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