

Recombinant Human CHGA, His-tagged

Cat. No. CHGA-26904TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human Chromogranin A, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography.
Species	Human
Source	E.coli
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. Other peptides, including chromostatin, beta-granin, WE-14 and GE-25, are also derived from the full-length protein. However, biological activities for these molecules have not been shown.
Form	20mM Tris-HCl (ph.7.5) containing 2mM EDTA, 0.1mM PMSF, 10% Glycerol
Molecular Mass	51.2 kDa (460aa) (Molecular weight on SDS-PAGE will appear higher)
AA Sequence	MGSSHHHHHH SSGLVPRGSH MLPVNSPMNK GDTEVMKCIV EVISDTLSKP SPMPVSQECF ETLRGDERIL SILRHQNLLK ELQDLALQGA KERAHQQKKH SGFEDELSEV LENQSSQAEL KEAVEEPSSK DVMEKREDSK EAEKSGEATD GARPQALPEP MQESKAEGNN QAPGEEEEEE EEATNTHPPA SLPSQKYPGP QAEGDSEGLS QGLVDREKGL SAEPGWQAKR EEEEEEEEEEA EAGEEAVPEE

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EGPTVVLNPH PSLGYKEIRK GESRSEALAV DGAGKPGAEE AQDPEGKGEQ
 EHSQQKEEEE EMAVVPQGLF RGGKSGELEQ EEERLSKEWE DSKRWSKMDQ
 LAKELTAEKR LEGQEEEEEDN RDSSMKLSFR ARAYGFRGPG PQLRRGWRPS
 SREDSLEAGL PLQVRGYPEE KKEEEGSANR RPEDQELESL SAIEAELEKV
 AHQLQALRRG

Purity > 85% by SDS - PAGE

Applications SDS-PAGE

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

Concentration 0.5 mg/ml (determined by Bradford assay)

GENE INFORMATION

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

Official Symbol CHGA

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

Gene ID 1113

mRNA Refseq NM_001275

Protein Refseq NP_001266

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MIM	118910
UniProt ID	P10645
Chromosome Location	14q32

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