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## 32-3525: CHGA His Recombinant Protein

**Alternative Name :** CGA,CHGA,Vasostatin-2,Pituitary secretory protein I,SP-I.

## Description

Source : Escherichia Coli. Recombinant Human CHGA produced in E.Coli is a single, non-glycosylated polypeptide chain containing 460 amino acids (19-457 a.a) and having a molecular mass of 51.2kDa (Molecular weight on SDS-PAGE will appear higher). Chromgranin-A is fused to 21 amino acid His Tag at N-terminus and purified by proprietary chromatographic techniques. Chromgranin-A is part of the neuroendocrine secretory protein family. CHGA is located in secretory vesicles of neurons and endocrine cells. Chromgranin-A 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. Chromgranin-A has numerous biological activities on some 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.

## Product Info

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| **Amount :** | 10 µg |
| **Purification :** | Greater than 80.0% as determined by Analysis by SDS-PAGE. |
| **Content :** | The CHGA protein contains 20mM MES buffer pH-6, 2mM EDTA, 0.1mM PMSF and 10% glycerol. |
| **Storage condition :** | Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles. |
| **Amino Acid :** | MGSSHHHHHH SSGLVPRGSH MLPVNSPMNK GDTEVMKCIV EVISDTLSKP SPMPVSQECF ETLRGDERIL SILRHQNLLK ELQDLALQGA KERAHQQKKH SGFEDELSEV LENQSSQAEL KEAVEEPSSK DVMEKREDSK EAEKSGEATD GARPQALPEP MQESKAEGNN QAPGEEEEEE EEATNTHPPA SLPSQKYPGP QAEGDSEGLS QGLVDREKGL SAEPGWQAKR EEEEEEEEEA EAGEEAVPEE EGPTVVLNPH PSLGYKEIRK GESRSEALAV DGAGKPGAEE AQDPEGKGEQ EHSQQKEEEE EMAVVPQGLF RGGKSGELEQ EEERLSKEWE DSKRWSKMDQ LAKELTAEKR LEGQEEEEDN RDSSMKLSFR ARAYGFRGPG PQLRRGWRPS SREDSLEAGL PLQVRGYPEE KKEEEGSANR RPEDQELESL SAIEAELEKV AHQLQALRRG. |

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