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**Product Data Sheet**


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Product Name: CHGA Human, HEK

Cat. No.: GP26257

Batch No.: 1

**Product Data**

Purity &gt;98% Source HEK293 cells.

Physical Appearance solid Shipping Condition atRoomtemp.

Synonyms CHGA, CGA, Chromogranin-A, Vasostatin I, SP-I, Pituitary secretory protein I.

Amino Acid Sequence

LPVNSPMNKG DTEVMKCIVE VISDTLSKPS PMPVSQECFE TLRGDERILS  
 ILRHQNLLKE LQDLALQGAK ERAHQKKHS GFEDELSEVL ENQSSQAELK  
 EAVEEPSSKD VMEKREDSKE AEKSGEATDG ARPQALPEPM QESKAEGNNQ  
 APGEEEEEEE EATNTHPPAS LPSQKYPGPQ AEGDSEGLSQ GLVDREKGLS  
 AEPGWQAKRE EEEEEEEAE AGEEAVPEEE GPTVVLNPHP SLGYKEIRKG  
 ESRSEALAVD GAGKPGAEAA QDPEGKGEQE HSQQKEEEEE MAVVPQGLFR  
 GGKSGELEQE EERLSKEWED SKRWSKMDQL AKELTAEKRL EGQEEEEEDNR  
 DSSMKLSFRA RAYGFRGPGP QLRRGWRPSS REDSLEAGLP LQVRGYPEEK  
 KEEEGSANRR PEDQELESLS AIEAELEKVA HQLQALRRGH HHHHH

Solubility It is recommended to add deionized water to prepare a working stock solution of approximately 0.5mg/ml and let the lyophilized pellet dissolve completely.

Formulation CHGA filtered (0.4  $\mu$ m) and lyophilized from 0.5mg/ml in PBS, pH 7.0.**Introduction**

Chromogranin A is a 439 amino acid protein which is encoded on chromosome 14 and is present in neuroendocrine cells throughout the body, including the neuroendocrine cells of the large and small intestine, adrenal medulla and pancreatic islets. It is an excellent marker for carcinoid tumors, pheochromocytomas, paragangliomas, and other neuroendocrine tumors. Coexpression of chromogranin A and neuron specific enolase (NSE) is common in neuroendocrine neoplasms.

**Stability**

**Caution: Product has not been fully validated for medical applications. For research use only.**

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA

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Store lyophilized protein at -20°C. Aliquot the product after reconstitution to avoid repeated freezing/thawing cycles. Reconstituted protein can be stored at 4°C for a limited period of time; it does not show any change after two weeks at 4°C.

### Background

CHGA Human Recombinant is a single, glycosylated polypeptide chain containing 445 amino acids (19-457a.a) and having a molecular mass of 49.7kDa (calculated). CHGA is fused to a 6 a.a His tag at C-terminal.

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