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CHGA Human, Sf9

Chromogranin A Human Recombinant, Sf9
RCP0423

Product Overview

Name	CHGA Human, Sf9

Description

Chromogranin A Human Recombinant, Sf9

Accession (Primary)	P10645

Synonyms

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

Introduction

Chromogranin-A Isoform 1 Preproprotein or CHGA is part of the neuroendocrine secretory proteins of the chromogranin/secretogranin family. CHGA is a precursor of numerus enzymes such as pancreastatin, catestatin, vasostatin-1,vasostatin-2, and parastatin. The protein acts as a negative regulator the neuroendocrine activity of autocrine or nearby cells (paracrine). CHGA causes further production of secretory granules that contains insulin in pancreatic islet beta cells.

Source

Sf9, Baculovirus cells.

Physical Appearance

Sterile Filtered colorless solution.

Formulation

CHGA protein solution (0.25mg/ml) contains Phosphate Buffered Saline (pH 7.4), 20% glycerol & 0.1mM PMSF.

Stability

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.

Purity

Greater than 85.0% as determined by SDS-PAGE.

Amino acid sequence

ADL LPVNSPM NKGDTEVMKC IVEVISDTLS KPSPMPVSQE CFETLRGDER ILSILRHQNL LKELQDLALQ GAKERAHQQK KHSGFEDELS EVLENQSSQA ELKEAVEEPS SKDVMEKRED SKEAEKSGEA TDGARPQALP EPMQESKAEG NNQAPGEEEE EEEEATNTHP PASLPSQKYP GPQAEGDSEG LSQGLVDREK GLSAEPGWQA KREEEEEEEE EAEAGEEAVP EEEGPTVVLN PHPSLGYKEI RKGESRSEAL AVDGAGKPGA EEAQDPEGKG

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EQEHSQQKEE EEEMAVVPQG LFRGGKSGEL EQEEERLSKE WEDSKRWSKM DQLAKELTAE KRLEGQEEEE DNRDSSMKLS FRARAYGFRG PGPQLRRGWR PSSREDSLEA GLPLQVRGYP EEKKEEEGSA NRRPEDQELE SLSAIEAELE KVAHQLQALR RG HHHHHH .

Precautions

CHGA Human, Sf9 is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (P10645)