

32-13150: CHGA Human, Sf9

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

Description

Source: Sf9, Baculovirus cells.

Sterile Filtered colorless solution.

Chromogranin-A Isoform 1 Preproprotein or CHGA is part of the neuroendocrine secretory proteins of the chromogranin/secretogranin family. CHGA is a precursor of numerous 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.

CHGA produced in Sf9 Baculovirus cells is a single, glycosylated polypeptide chain (19-457 a.a.) and fused to a 6 aa His Tag at C-terminus containing a total of 448 amino acids and having a molecular mass of 50kDa. CHGA shows multiple bands between 50-70kDa on SDS-PAGE, reducing conditions and purified by proprietary chromatographic techniques.

Product Info

Amount : 1 µg / 5 µg

Purification : Greater than 85.0% as determined by SDS-PAGE.

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

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 : ADLLPVNSPM NKGDTVMKC IVEVISDTLS KPSPMPVSQE CFETLRGDER ILSILRHQNL
LKELQDLALQ GAKERAHQQK KHSGFEDELS EVLENQSSQA ELKEAVEEPS SKDVMEKRED
SKEAEKSGEA TDGARPQALP EPMQESKAEG NNQAPGEEEE EEEEEATNTHP PASLPSQKYP
GPQAEGDSEG LSQGLVDREK GLSAEPGWQA KREEEEEEEE EAEAGEEAVP EEEGPTVVLN
PHPSLGYKEI RKGESRSEAL AVDGAGKPGA EEAQDPEGKG EQEHSQQKEE EEEMAVVPQG
LFRGGKSGEL EQEEERLSKE WEDSKRWSKM DQLAKELTAE KRLEGQEEEE DNRDSSMKLS
FRARAYGFRG PGPQLRRGWR PSSREDSLEA GLPLQVRGYP EEKKEEEGSA NRRPEDQELE
SLSAIEAELE KVAHQLQALR RGHHHHHH.