



# Recombinant Human Chromogranin-A (CHGA)

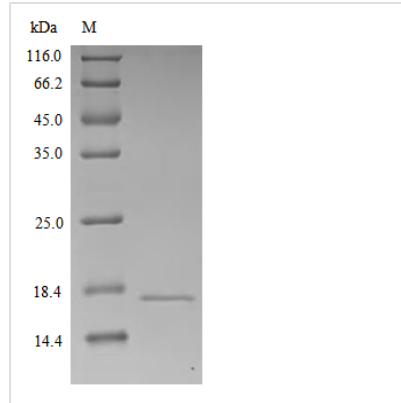
<b>Product Code</b>	CSB-YP005344HU
<b>Relevance</b>	Pancreastatin: Strongly inhibits glucose induced insulin release from the pancreas. Catestatin: Inhibits catecholamine release from chromaffin cells and noradrenergic neurons by acting as a non-competitive nicotinic cholinergic antagonist. Displays antibacterial activity against Gram-positive bacteria <i>S.aureus</i> and <i>M.luteus</i> , and Gram-negative bacteria <i>E.coli</i> and <i>P.aeruginosa</i> . Can induce mast cell migration, degranulation and production of cytokines and chokines. Acts as a potent scavenger of free radicals in vitro. May play a role in the regulation of cardiac function and blood pressure.
<b>Abbreviation</b>	Recombinant Human CHGA protein
<b>Storage</b>	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
<b>Uniprot No.</b>	P10645
<b>Product Type</b>	Recombinant Proteins
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Purity</b>	≥ 90% as determined by SDS-PAGE.
<b>Sequence</b>	LPVNSPMNKGDTEVMKCIVEVISDTLSKPSMPVVSQECFETLRGDERILSILRH QNLKELQDLALQGAKERAHQKKHSGFEDELSEVLENQSSQAELEAVEEP SSKDVMEKREDSKEAEKSGEATDGARPQALPEPMQESKAEGNNQAPGEEEE EEEEATNTHPPASLPSQKYPGPQAEGDSEGLSQGLVDREKGLSAEPGWQAK REEEEEEEEEAEAGEEAVPEEEGPTVVLNPHPSLGYKEIRKGESRSEALAVDG AGKPGAEAAQDPEGKGEQEHSQQKEEEEEEMAVVPQGLFRGGKSGELEQEE ERLSKEWEDSKRWSKMDQLAKELTAEKRLLEGQEEEEEDNRDSSMKLSFRARA YGFRGPGPQLRRGWRPSSREDSLEAGLPLQVRGYPEEKKEEEGSANRRPED QELESLSAIEAELEKVAHQQLQALRRG
<b>Research Area</b>	Cancer
<b>Source</b>	Yeast
<b>Target Names</b>	CHGA
<b>Protein Names</b>	Recommended name: Chromogranin-A Short name= CgA Alternative name(s): Pituitary secretory protein I Short name= SP-ICleaved into the following 13 chains: 1. Vasostatin-1 Alternative name(s): Vasostatin I Vasostatin-2Alt
<b>Expression Region</b>	19-457aa
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	N-terminal 6xHis-tagged
<b>Mol. Weight</b>	50.9kDa



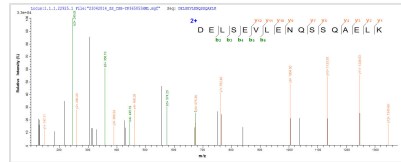
**Protein Length**

**Full Length of Mature Protein**

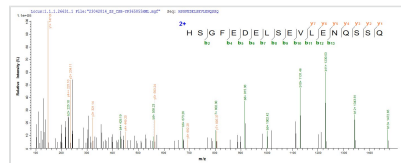
**Image**



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.



Based on the SEQUEST from database of Mammalian Cell host and target protein, the LC-MS/MS Analysis result of CSB-YP005344HU could indicate that this peptide derived from Yeast-expressed Homo sapiens (Human) CHGA.



Based on the SEQUEST from database of Mammalian Cell host and target protein, the LC-MS/MS Analysis result of CSB-YP005344HU could indicate that this peptide derived from Yeast-expressed Homo sapiens (Human) CHGA.

**Shelf Life**

The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself.

Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.