

Human Chromogranin A, Tag Free Protein

HA211470



Product name:	Human Chromogranin A, Tag Free
Species reactivity:	Human
Bio-Activity:	Testing in progress.
Protein construction description:	A DNA sequence encoding the human Chromogranin A protein (P10645) (Leu 19-Gly 457) was expressed with tag free.

Background: Chromogranin A or parathyroid secretory protein 1 (gene name CHGA) is a member of the granin family of neuroendocrine secretory proteins. As such, it is located in secretory vesicles of neurons and endocrine cells such as islet beta cell secretory granules in the pancreas. In humans, chromogranin A protein is encoded by the CHGA gene. Chromogranin A is the precursor to several functional peptides including vasostatin-1, vasostatin-2, pancreastatin, catestatin and parastatin. These peptides negatively modulate the neuroendocrine function of the releasing cell (autocrine) or nearby cells (paracrine). Chromogranin A induces and promotes the generation of secretory granules such as those containing insulin in pancreatic islet beta cells.

Purity: >95% as determined by SDS-PAGE.

Endotoxin: Less than 1.0 EU per μg by the LAL method.

Fragment region: Chromogranin A (19-457)

Source: HEK293

Accession: P10645

Predicted molecular mass: 49.7 kD

Formulation: Lyophilized from a 0.2 μm filtered solution of PBS, pH7.4, 5% Trehalose, 5% mannitol.

Reconstitution: Reconstitute at 250 $\mu\text{g}/\text{ml}$ in sterile water.

Storage: Please avoid repeated freeze-thaw cycles. Samples are stable for up to twelve months from date of receipt at -20°C to -80°C. It is recommended that aliquot the reconstituted solution to minimize freeze-thaw cycles.

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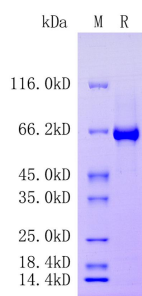


Fig1: Protein on SDS-PAGE under reducing (R) condition.

Note: All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE".
