



# Recombinant Rat Chromogranin-A (Chga)

<b>Product Code</b>	CSB-EP005344RA-B
<b>Storage</b>	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
<b>Uniprot No.</b>	P10354
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Rattus norvegicus (Rat)
<b>Purity</b>	≥85% (SDS-PAGE)
<b>Sequence</b>	<p>LP VNSPMTKGDT KVMKCVLEVI SDSLSKPSPM PVSPECLETL QGDERVLSIL            RHQNLLKELQ DLALQGAKER AQQQQQQQQQ QQQQQQQQQQ            QHSSFEDELS EVFENQSPAA KHGDAASEAP SKDTVEKRED SDKGQQDAFE            GTTEGPRPQA FPEPKQESSM MGNSQSPGED TANNTQSPTS LPSQEHGIPQ            TTEGSEGRPS AQQQARKAKQ EEKEEEEEEEK EEEEEEEKEEK AIAREKAGPK            EVPTAASSSH FYSGYKKIQK DDDGQSESQA VNGKTGASEA VPSEGKGELE            HSQQEEDGEE AMAGPPQGLF PGGKGQELER KQQEEEEEEEE            RLSREWEDKR WSRMDQLAKE LTAEKRLIGE DDPDRSMKLS            FRARAYGFRD PGPQLRRGWR PSSREDSVEA RGDFFEEKKEE            EGSANRRAED QELESLSAIE AELEKVAHQL QALRRG</p>
<b>Source</b>	E.coli
<b>Target Names</b>	Chga
<b>Protein Names</b>	Recommended name: Chromogranin-A Short name= CgA Cleaved into the following 3 chains: 1. Pancreastatin 2. Beta-granin 3. WE-14
<b>Expression Region</b>	19-466
<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>	Tag type will be determined during the manufacturing process.
<b>Protein Length</b>	Full Length of Mature Protein
<b>Target Details</b>	This protein is a member of the chromogranin/secretogranin family of neuroendocrine secretory proteins. It is found in secretory vesicles of neurons and endocrine cells. This gene product is a precursor to three biologically active peptides; vasostatin, pancreastatin, and parastatin. These peptides act as autocrine or paracrine negative modulators of the neuroendocrine system. Other peptides, including chromostatin, beta-granin, WE-14 and GE-25, are also derived from the full-length protein. However, biological activities for these molecules have not been shown.
<b>Reconstitution</b>	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.



## 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.