



Recombinant Rat Chromogranin-A (Chga)

Product Code	CSB-EP005344RA
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	P10354
Product Type	Recombinant Protein
Immunogen Species	Rattus norvegicus (Rat)
Purity	≥85% (SDS-PAGE)
Sequence	LP VNSPMTKGD T KVMKCVLEVI SDSLSKPSM PVSPECLETL QGDERVLSIL RHQNLLKELQ DLALQGAKER AQQQQQQQQQ QQQQQQQQQQ QHSSFEDLS EVFENQSPAA KHGDAASEAP SKDTVEKRED SDKGQQDAFE GTTEGPRPQA FPEPKQESSM MGNSQSPGED TANNTQSPTS LPSQEHGIPQ TTEGSEGPS AQQQARKAKQ EEEEEEEEEK EEEEEKEEK AIAREKAGPK EVPTAASSSH FYSGYKKIQK DDDGQSESQA VNGKTGASEA VPSEGKGELE HSQQEEDGEE AMAGPPQGLF PGGKGQELER KQQEEEEEEE RLSREWEDKR WSRMDQLAKE LTAEKRLGE DDPDRSMKLS FRARAYGFRD PGPQLRRGWR PSSREDSVEA RGDFEKKKEE EGSANRRAED QELESLSAIE AELEKVAHQL QALRRG
Source	E.coli
Target Names	Chga
Protein Names	Recommended name: Chromogranin-A Short name= CgA Cleaved into the following 3 chains: 1. Pancreastatin 2. Beta-granin 3. WE-14
Expression Region	19-466
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	Full Length of Mature Protein
Target Details	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.
Reconstitution	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.