

Recombinant Human Chromogranin-A(CHGA)

Catalog No: #AP70162

Package Size: #AP70162-1 20ug #AP70162-2 100ug #AP70162-3 1mg

Description

Product Name	Recombinant Human Chromogranin-A(CHGA)
Host Species	E.coli
Purification	Greater than 90% as determined by SDS-PAGE.
Immunogen Description	Expression Region:19-457aaSequence Info:Full Length
Other Names	Pituitary secretory protein I ;SP-I
Accession No.	P10645
Calculated MW	52.9 kDa
Tag Info	N-terminal 6xHis-tagged
Target Sequence	LPVNSPMNKGDTVEVMKCIVEVISDTLSKPSMPVVSQECFETLRGDERILSILRHQNLLKELQDLALQGAKERAH QQKKHSGFEDELSEVLENQSSQAELKEAVEEPSSKDVMEKREDSKEAEKSGEATDGARPQALPEPMQESKA EGNNQAPGEEEEEEEEATNTHPPASLPSQKYPGPQAEGDSEGLSQGLVDREKGLSAEPGWQAKREEEEE EEEAEAGEEAVPEEEGPTVVLNPHPSLGYKEIRKGESRSEALAVDGAGKPGAEEAQDPEGKGEQEHSQQKE EEEEMAVVPQGLFRGGKSGELEQEEERLSKEWEDSKRWSKMDQLAKELTAEKRLEGQEEEEEDNRDSSMKL SFRARAYGFRGPGPQLRRGWRPSSREDSLEAGLPLQVRGYPEEKKEEEGSANRRPEDQELESLSAIEAELEK VAHQLQALRRG
Formulation	Tris-based buffer50% glycerol
Storage	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.Notes:Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.

Background

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 *S.aureus* and *M.luteus*, and Gram-negative bacteria *E.coli* and *P.aeruginosa* . 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 .

References

The primary structure of human chromogranin A and pancreastatin.Konecki D.S., Benedum U.M., Gerdes H.-H., Huttner W.B.J. Biol. Chem. 262:17026-17030(1987)Research Topic:Cancer

Note: This product is for in vitro research use only and is not intended for use in humans or animals.