

Recombinant human Chromogranin-A

Catalog No: #AP72497



Package Size: #AP72497-1 20ug #AP72497-2 100ug #AP72497-3 1mg

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Description

Product Name	Recombinant human Chromogranin-A
Brief Description	Recombinant Protein
Host Species	Yeast
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
Uniprot	P10645
GeneID	1113;
Calculated MW	50.9 kDa
Tag Info	N-terminal 6xHis-tagged
Target Sequence	LPVNSPMNKGDEVMKCEVVISDTLSKPSMPVSEQECFETLRGDERILSRHQNLKELQDLALQGAKERAH QQKKHSGFEDELSEVLENQSSQAEKAEVEEPSSKDVMEKREDSKEAEKSGEATDGARPQALPEPMQESKA EGNNQAPGEEEEEEEEATNTHPPASLPSQKYPGQAEGDSEGLSQGLVDREKGLSAEPGWQAKREEEEE EEEAEAGEEAVPEEEGPTVVLNPHPSLGYKEIRKGESRSEALAVDGAGKPGAEAAQDPEGKGEQEHSSQKE EEEEMAVVPQGLFRGGKSGELEQEEERLSKEWEDSKRWSKMDQLAKELTAEKRLEGQEEEDNRDSSMKL SFRARAYGFRGPGQLRRGWRPSSREDSLEAGLPLQVRGYPEEKKEEEGSANRRPEDQELESLSAIEAELEK 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