

Recombinant Mouse Chromogranin-A/Chga protein (His Tag)



Catalog Number: PDEM100020

Note: Centrifuge before opening to ensure complete recovery of vial contents.

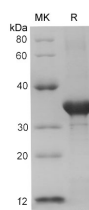
Description

Synonyms	beta Granin;betagranin (N-terminal fragment of chromogranin A);catestatin;CgA;CHG A;Chga;chromofungin;Chromogranin A;Chromogranin A parathyroid secretory protein 1;Chromogranin A precursor;ChromograninA;CMGA;ER-37;Pancreastatin;Parastatin;Parathyroid secretory protein 1;Pituitary secretory protein I;Secretory protein I;SP I;SP-I;SP1;SPI;Vasostatin;Vasostatin I;Vasostatin II
Species	Mouse
Expression Host	E.coli
Sequence	Ile457-Leu717
Accession	P26339
Calculated Molecular Weight	31.0 kDa
Observed molecular weight	32-36 kDa
Tag	N-His & C-His
Bioactivity	Immunogen(D-AB-10318L)

Properties

Purity	> 90 % as determined by reducing SDS-PAGE.
Endotoxin	Please contact us for more information.
Storage	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
Shipping	This product is provided as lyophilized powder which is shipped with ice packs.
Formulation	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01 % Tween80 are added as protectants before lyophilization. Please refer to the specific buffer information in the printed manual.
Reconstitution	Please refer to the printed manual for detailed information.

Data



> 90 % as determined by reducing SDS-PAGE.

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.

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Can induce mast cell migration, degranulation and production of cytokines and chemokines. Serpinin: Regulates granule biogenesis in endocrine cells by up-regulating the transcription of protease nexin 1 (SERPINE2) via a cAMP-PKA-SP1 pathway. This leads to inhibition of granule protein degradation in the Golgi complex which in turn promotes granule formation. Pyroglutaminated (pGlu)-serpinin exerts an antiapoptotic effect on cells exposed to oxidative stress.

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