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Datasheet for ABIN7505366

**Chromogranin A Protein (CHGA) (AA 457-717) (His tag)**

## Overview

Quantity:	100 µg
Target:	Chromogranin A (CHGA)
Protein Characteristics:	AA 457-717
Origin:	Mouse
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This Chromogranin A protein is labelled with His tag.

## Product Details

Sequence:	Ile457-Leu717
Characteristics:	A DNA sequence encoding the Mouse Chromogranin-A/Chga(P26339) (457Ile-717Leu) was expressed with a polyhistidine tag at the N-terminus.
Purity:	>90 % as determined by reducing SDS-PAGE.

## Target Details

Target:	Chromogranin A (CHGA)
Alternative Name:	Chromogranin-A ( <a href="#">CHGA Products</a> )
Background:	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. Can induce mast cell migration, degranulation and production of cytokines and chemokines. Serpinin: Regulates

## Target Details

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 .

Synonym: 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

Molecular Weight: 31 kDa

UniProt: [P26339](#)

Pathways: [Negative Regulation of Hormone Secretion](#), [cAMP Metabolic Process](#), [Regulation of G-Protein Coupled Receptor Protein Signaling](#)

## Application Details

Comment: used as Immunogen for (ABIN6999910, ABIN7234262, ABIN7234263 and ABIN7234264)

Restrictions: For Research Use only

## Handling

Format: Lyophilized

Buffer: Lyophilized from sterile PBS, pH 7.4.

Storage: 4 °C,-20 °C,-80 °C

Storage Comment: 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.

Expiry Date: 12 months