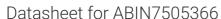
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## Chromogranin A Protein (CHGA) (AA 457-717) (His tag)



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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:	lle457-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 (CHGA Products)	
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	

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, Chromogran in Aprecursor, Chromogran in A, CMGA, ER-37, Pancreastatin, Parastatin, Parathyroid and CMGA, CMGA
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	