

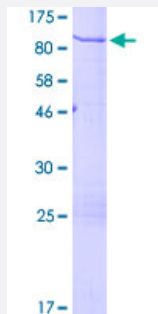
Full-Length

CHGA (Human) Recombinant Protein (P01)

Catalog # H00001113-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human CHGA full-length ORF (AAH06459.1, 1 a.a. - 457 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MRSAAVLALLLCAGQVTALPVNSPMNKGDTVMKCMVEISDTLSKPSPMPVSQECFETLRGDE
RILSILRHQNLKELQDLALQGAKERAHQKKHSGFEDELSEVLENQSSQAELEAVEEPSSKDV
MEKREDSKEAEKSGEATDGAQPALPEPMQESKAEGNNQAPGEEEEEEEEATNTHPPASLPS
QKYPGPQAEGDSEGLSQGLVDREKGLSAEPGWQAKREEEEEEEEEAEAGEEAVPEEEGPTVV
LNPHPSLGYKEIRKGESRSEALAVDGAGKPGAEAAQDPEGKGEQEHSSQKEEEEEEMAVVPQGL
FRGGKSGELEQEEERLSKEWEDSKRWSKMDQLAKELTAEKRLEGQEEEDNRDSSMKLSFRA
RAYGFRGPGPQLRRGWRPSSREDSLEAGLPLQVRGYPEEKKEEEGSANRRPEDQELESLSAIE
AELEKVAHQLQALRRG

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

77.1

Interspecies Antigen Sequence

Mouse (61); Rat (62)

Preparation Method

[in vitro wheat germ expression system](#)

Purification

Glutathione Sepharose 4 Fast Flow

Quality Control Testing

12.5% SDS-PAGE Stained with Coomassie Blue.

Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — CHGA

Entrez GeneID	1113
GeneBank Accession#	BC006459.1
Protein Accession#	AAH06459.1
Gene Name	CHGA
Gene Alias	CGA
Gene Description	chromogranin A (parathyroid secretory protein 1)
Omim ID	118910
Gene Ontology	Hyperlink
Gene Summary	The protein encoded by this gene is a member of the chromogranin/secretogranin family of neuro endocrine secretory proteins. It is found in secretory vesicles of neurons and endocrine cells. This gene product is a precursor to three biologically active peptides; vasostatin, pancreastatin, and parastatin. These peptides act as autocrine or paracrine negative modulators of the neuroendocrine system. Other peptides, including chromostatin, beta-granin, WE-14 and GE-25, are also derived from the full-length protein. However, biological activities for these molecules have not been shown. [provided by RefSeq]
Other Designations	betagranin (N-terminal fragment of chromogranin A) chromogranin A parathyroid secretory protein 1

Disease

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