

Recombinant human Chromogranin A/CHGA(19-131aa) protein

Catalog Number: ATGP0309

PRODUCT INFORMATION

Expression system

E.coli

Domain

19-131aa

UniProt No.

P10645

NCBI Accession No.

NP_001266

Alternative Names

Cga, Pituitary secretory protein I, SP-I, Vasostatin-1, Vasostatin-2, EA-92, ES-43, Pancreastatin, parastatin, PHE5, PHES, SS-18, WA-8, WE-14, LF-19, Catestatin 2, SL21, AL-11, GV-19, GR-44, ER-37, GE-25, Serpinin-RRG, Serpinin, p-Glu serpinin precursor

PRODUCT SPECIFICATION

Molecular Weight

12.8 kDa (114aa) confirmed by MALDI-TOF

Concentration

1mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 10% glycerol

Purity

> 95% by SDS-PAGE

Endotoxin level

< 1 EU per 1ug of protein (determined by LAL method)

Tag

Non-Tagged

Application

SDS-PAGE

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

Description

Vasostatin 2 is the N-terminal fragment (19-131 aa) derived from the cleavage of chromogranin A (CgA) which is a member of the chromogranin/secretogranin (granins) family of neuroendocrine secretory proteins. Vasostatin 2

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has been shown to exert several biological activities on several tissues and organs and exerts a large spectrum of homeostatic actions, including antifungal and antimicrobial effect, modulation of cell adhesion, and inhibition of parathyroid hormone secretion. Recombinant human Vasostatin 2 protein was expressed in *E. coli* and purified by using conventional chromatography techniques.

Amino acid Sequence

MLPVNSPMNK GDTEVMKCIV EVISDTLSKP SPMPVSQECF ETLRGDERIL SILRHQNLK ELQDLALQGA KERAHQQKH
SGFEELSEV LENQSSQAEI KEAVEEPSSK DVME

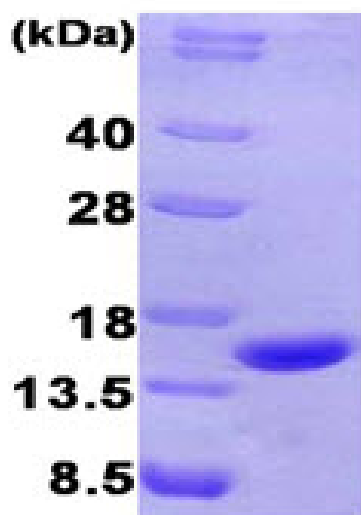
General References

Tota BW., et al. (2008). *Curr Med Chem.* 15(14):1444-51

Blois A., et al. (2006). *Requ pept.* 134(1):30-7

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

15% SDS-PAGE (3ug)