Recombinant human Chromogranin A/CHGA 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

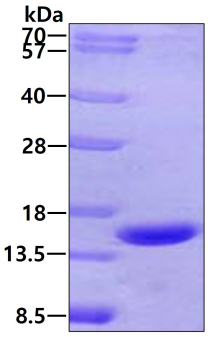
MLPVNSPMNK GDTEVMKCIV EVISDTLSKP SPMPVSQECF ETLRGDERIL SILRHQNLLK ELQDLALQGA KERAHQQKKH SGFEDELSEV LENQSSQAEL KEAVEEPSSK DVME

General References

Tota BW., et al. (2008). Curr Med Chem. 15(14):1444-51
Blois A., et al. (2006). Requl pept. 134(1):30-7

DATA

SDS-PAGE



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