

Product datasheet

Recombinant Human Chromogranin A protein
ab85486

1 References 3 Images

Description

Product name	Recombinant Human Chromogranin A protein
Purity	> 80 % SDS-PAGE.
Expression system	Escherichia coli
Protein length	Full length protein
Animal free	No
Nature	Recombinant
Species	Human

Sequence

MRGSHHHHHH **G**MASMTGGQQ **M**GRDLYDDDD
KDRWGSMLP VNSPMNGDT EVMKCMEVI
SDTLSPSPM PVSQECFETL RGDERILSIL
RHQNLLKELQ DLALQGAKER AHQKKHSGF
EDELSEVLEN QSSQAEKKA VEEPSSKDVM
EKREDSKEAE KSGEATDGAR PQALPEPMQE
SKAEGNNQAP GEEEEEEEEEA TNTHPPASLP
SQKYPGPQAE GDSEGLSQGL VDREKGLSAE
PGWQAKREEE EEEEEAEAG EEAVPEEEGP
TVVLNPHPSL GYKEIRKGES RSEALAVDGA
GKPGAEAAQD PEGKGEQEHS QQKEEEEEMA
VVPQGLFRGG KSGELEQEEE RLSKEWEDSK
RWSKMDQLAK ELTAEKRLEG QEEEEENRDS
SMKLSFRARA YGFRGPGPQL RRGWRPSSRE
DSLEAGLPLQ VRGYPEEKKE EEGSANRRPE
DQELESLSAI EAELEKVAHQ LQALRRG

Amino acids	19 to 457
Tags	His tag N-Terminus

Specifications

Our [Abpromise guarantee](#) covers the use of **ab85486** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Applications	Western blot SDS-PAGE
Form	Liquid

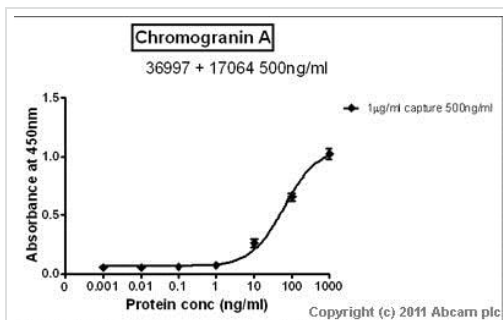
Preparation and Storage

Stability and Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles. pH: 7.5 Constituents: 0.39% MES, 0.00174% PMSF, 0.0584% EDTA, 10% Glycerol
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General Info

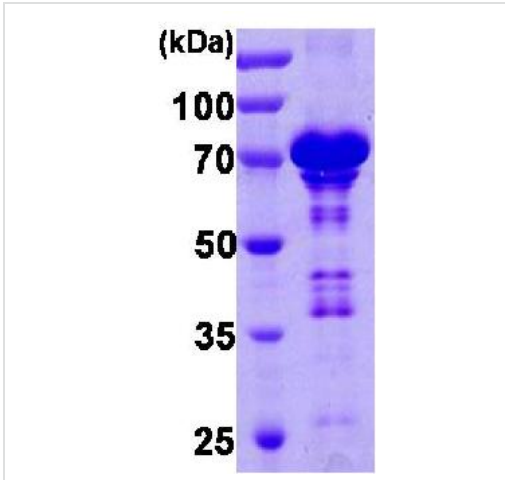
Function	Pancreastatin strongly inhibits glucose induced insulin release from the pancreas.
Sequence similarities	Belongs to the chromogranin/secretogranin protein family.
Post-translational modifications	Sulfated on tyrosine residues and/or contains sulfated glycans. O-glycosylated with core 1 or possibly core 8 glycans.
Cellular localization	Secreted. Neuroendocrine and endocrine secretory granules.

Images



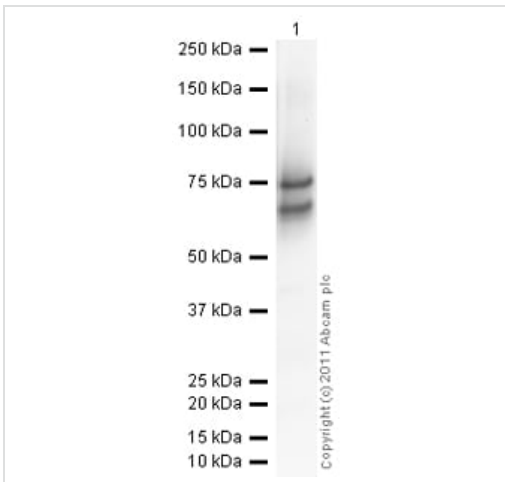
Standard curve for Chromogranin A (Analyte: [ab85486](#)); dilution range 1pg/ml to 1µg/ml using Capture Antibody [ab36997](#) at 1µg/ml and Detector Antibody [ab17064](#) at 0.5µg/ml. Concentration of [ab17064](#) may vary from lot to lot; please use this curve as guideline.

Sandwich ELISA - Recombinant Human
Chromogranin A protein (ab85486)



12% SDS-PAGE analysis of 3µg of ab85486

SDS-PAGE - Recombinant Human Chromogranin A protein (ab85486)



Chromogranin A is easily fragmented and both bands observed in the Western Blot above are believed to correspond to Chromogranin A.

Western blot - Recombinant Human Chromogranin A protein (ab85486)

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