

Recombinant human SCG3 protein

Catalog Number: ATGP2213

PRODUCT INFORMATION

Expression system

E.coli

Domain

20-468aa

UniProt No.

Q8WXD2

NCBI Accession No.

NP_037375

Alternative Names

Secretogranin-3 isoform 1, SGIII

PRODUCT SPECIFICATION

Molecular Weight

53 kDa (472aa)

Concentration

0.5mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 20% glycerol, 1mM DTT

Purity

> 85% by SDS-PAGE

Tag

His-Tag

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

SCG3 is a member of the chromogranin/secretogranin family of neuroendocrine secretory proteins. Granins may serve as precursors for biologically active peptides. Some granins have been shown to function as helper proteins in sorting and proteolytic processing of prohormones; however, the function of this protein is unknown. Recombinant human SCG3 protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.

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Amino acid Sequence

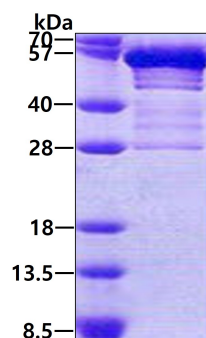
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TAEDIVHKIA ARIYEENDRA VFDKIVSKLL NLGLITESQA HTLEDEVAEV LQKLISKEAN NYEEDPNKPT SWTENQAGKI
PEKVTPMAAI QDGLAKGEND ETVSNTLTLT NGLERRTKTY SEDNFEELQY FPNFYALLKS IDSEKEAKEK ETLITIMKTL
IDFVKMMVKY GTISPEEGVS YLENLDEMIA LQTKNKLEKN ATDNISKLFP APSEKSHEET DSTKEEAAKM EKEYGSLKDS
TKDDNSNPGG KTDEPKGKTE AYLEAIRKNI EWLKHKHDKG NKEDYDLSKM RDFINKQADA YVEKGILDKE EAEAIKRIYS SL

General References

Tanabe A, Yanagiya T, et al. (2007). J Clin Endocrinol Metab. 92(3):1145-54.
Hosaka M, Suda M, et al. (2004). J Biol Chem. 279(5):3627-34.

DATA

SDS-PAGE



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