

Recombinant Human SCG2 Protein, MYC/DDK-tagged, C13 and N15-labeled

Cat. No. SCG2-203H Lot. No. (See product label)

SPECIFICATION

Product Overview

SCG2 MS Standard C13 and N15-labeled recombinant protein (NP_003460) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.

Species

Human

Source

HEK293

Description

The protein encoded by this gene is a member of the chromogranin/secretogranin family of neuroendocrine secretory proteins. Studies in rodents suggest that the full-length protein, secretogranin II, is involved in the packaging or sorting of peptide hormones and neuropeptides into secretory vesicles. The full-length protein is cleaved to produce the active peptide secretoneurin, which exerts chemotaxic effects on specific cell types, and EM66, whose function is unknown. [provided by RefSeq, Jul 2008]

Molecular Mass

70.7 kDa

AA Sequence

MAEAKTHWLGAALSLIPLIFLISGAEAAAFQRNQLLQKEPDLRLENVQKFPSPEMIRA
 LEYIENLRQQAHKKEESSPDYNPYQGVSVP LQQKENGDESHLPERDSLSEEDWMR II
 LEALRQAENEPQSAPKENKPYALNSEKNFPMDSDDYETQQWPERK LKHMQFPP
 MYEENSRDNPFKRTNEIVEEQYTPQSLATLESV FQELGKLTGPNNQKRERMDEEQK
 LYTDDDDIYKANNIAYEDVVGGEDWNPVEEKIESQTQEEVRDSKENIEKNEQINDE
 MKRSGQLGIQEEGLRKESKDQLSDDVSKVIAYLKRLVNAAGSGRLQNGQNGERATR

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LFEKPLDSQSIYQLIEISRNLQIPPEDLIEMLKTGEKPNGSVEPERELDLPVLDLDDISEA
 DLDPDLFQNRMLSKSGYPKTPGGAGTEALPDGLSVEDILNLLGMESAAANQKTSYF
 PNPYNQEKVLPRLPYGAGRSRSNQLPKAAWIPHVENRQMAYENLNDKDQELGEYL
 ARMLVKYPEIINSNQVKRVPGGQSGDLQEEEQIEQAIKEHLNQGSSQETDKLAPV
 SKRFPVGPKNDDTPNRQYWDEDLLMKVLEYLNQEKAKEKGREHIAKRAMENMTRT
 RPLEQKLISEEDLAANDILDYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name [SCG2 secretogranin II \[Homo sapiens \(human\) \]](#)

Official Symbol [SCG2](#)

Synonyms SCG2; secretogranin II; secretogranin-2; CHGC; chromogranin C; secretoneurin; SgII; SN; chromogranin-C; EM66;

Gene ID [7857](#)

mRNA Refseq [NM_003469](#)

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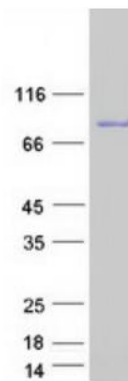
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Protein Refseq NP_003460

MIM 118930

UniProt ID P13521

SDS-PAGE



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