

Active Recombinant Full Length Human SCG2 Protein, C-Flag-tagged

Cat. No. SCG2-485HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human SCG2 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
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.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Bio-activity	Cell treatment
Molecular Mass	70.8 kDa
AA Sequence	MAEAKTHWLGAALSLIPLIFLISGAEAASFQRNQLLQKEPDLRLENVQKFPSPMIRA LEYIENLRQQAH KEESPDPYNPYQGVSVPLQQKENGDESHLPERDSLSEEDWMRII LEALRQAENEPQSAPKENKPYALNSE KNFPMDSDDYETQQWPERKLKHMQFPP MYEENSRDNPFKRTNEIVEEQYTPQSLATLESVFQELGKLTG PNNQKRERMDEEQ

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KLYTDDDDIYKANNIAYEDVVGGEDWNPVEEKIESQTQEEVRDSKENIEKNEQIND
 EMKRSGQLGIQEEGLRKESKDQLSDDVSKVIAYLKRLVNAAGSGRLQNGQNGERAT
 RLFEKPLDSQSIYQ LIEISRNQLIPPEDLIEMLKTGEKPNGSVEPERELDLPVDLDDIS
 EADLDHPDLFQNRMLSKSGYPKTPG GAGTEALPDGLSVEDILNLLGMESAAANQKTS
 YFPNPYNQEKVLPRLPYGAGRSRSNQLPKAAWIPHVENR QMAYENLNDKDQELGE
 YLARMLVKYPEIINSNQVKRVPQGSGDLQEEEQIEQAIKEHLNQGSSQETD
 KLAPVSKRFPVGPPKNDDTPNRQYWDEDLLMKVLEYLNQEKAKEGREHIAKRAM
 NMTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Protein Families	Secreted Protein, Transmembrane
Full Length	Full L.

GENE INFORMATION

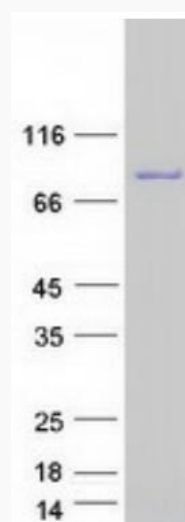
Gene Name	SCG2 secretogranin II [Homo sapiens (human)]
Official Symbol	SCG2

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Synonyms	SN; CHGC; EM66; SgII
Gene ID	7857
mRNA Refseq	NM_003469.5
Protein Refseq	NP_003460.2
MIM	118930
UniProt ID	P13521



Coomassie blue staining of purified SCG2 protein.