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Datasheet for ABIN1880683 SCG2 Protein (AA 29-617) (His tag)

Overview

Quantity:	50 µg
Target:	SCG2
Protein Characteristics:	AA 29-617
Origin:	Human
Source:	Human Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This SCG2 protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human Secretogranin-2/SCG2 (C-6His)
Sequence:	SFQRNQLLQK EPDLRLNVQ KFPSPMIRA LEYIENLRQQ AHKEESSPDY NPYQGVSVPL QQKENGDESH LPERDSLSEE DWMRIILEAL RQAENEPQSA PKENKPYALN SEKNFPMMDMS DDYETQQWPE RKLKHMQFPP MYEENSRDNP FKRTNEIVVEE QYTPQSLATL ESFVQELGKL TGPNNQKRER MDEEQKLYTD DEDDIYKANN IAYEDVVGGE DWNPVVEEKIE SQTQEEVRDS KENIEKNEQI NDEMKRSGQL GIQEEGLRKE SKDQLSDDVS KVIAYLKRLV NAAGSGRLQN GQNGERATRL FEKPLDSQSI YQLIEISRNL QIPPEDLIEM LKTGEKPNGS VEPERELDLP VDLDDISEAD LDHPDLFQNR MLSKSGYPKT PGGAGTEALP DGLSVEDILN LLGMESAAANQ KTSYFPNPYN QEKVLPRLPY GAGRSRSNQL PKAAWIPHVE NRQMAYENLN DKDQELGEYL ARMLVKYPEI INSNQVKRVP GQGSSEGLDQ EEEQIEQAIK EHLNQGSSQE TDKLAPVSKR FPVGPPKNDD TPNRQYWDED LLMKVLEYLN QEKAKEGREH IAKRAMENMV DHHHHHHH
Characteristics:	Recombinant Human Secretogranin-2/SCG2 is produced by our mammalian expression system in human cells. The target protein is expressed with sequence (Ser29-Met617) of

Product Details

Human SCG2 fused with a polyhistidine tag at the C-terminus.

Purity: > 95 % as determined by reducing SDS-PAGE.

Sterility: 0.2 µm filtered

Endotoxin Level: Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test

Target Details

Target: SCG2

Alternative Name: Secretogranin-2/SCG2 ([SCG2 Products](#))

Background: Secretogranin-2 is also known as Chromogranin-C, Secretogranin II, SgII. In humans, it is encoded by the SCG2 gene. It belongs to the chromogranin/secretogranin protein family. Secretogranin-2 is a neuroendocrine secretory granule protein, which is the precursor for biologically active peptides. Its derived secretoneurin was distributed with strong immunoreactivity in the somata of pelvic ganglion neurons, 72% of which also contained tyrosine hydroxylase, as well as in nerve terminals in the muscular layer and the lamina propria of the vas deferens.

Molecular Weight: 68.8 kDa

UniProt: [P13521](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: It is not recommended to reconstitute to a concentration less than 100 µg/mL.
Dissolve the lyophilized protein in ddH₂O.
Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

Buffer: Lyophilized from a 0.2 µm filtered solution of 20 mM PB, 150 mM NaCl, pH 7.4.

Handling Advice: Always centrifuge tubes before opening. Do not mix by vortex or pipetting.

Storage: 4 °C/-20 °C/-80 °C

Storage Comment: Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks.

Reconstituted protein solution can be stored at 4-7°C for 2-7 days.

Aliquots of reconstituted samples are stable at < -20°C for 3 months.