

# Recombinant Human Secretogranin-2/SCG2 Protein (His Tag)



Catalog Number:PKSH033013

**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

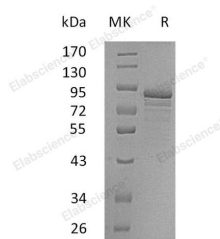
## Description

<b>Synonyms</b>	Secretogranin-2;Chromogranin-C;Secretogranin II;SgII.
<b>Species</b>	Human
<b>Expression Host</b>	HEK293 Cells
<b>Sequence</b>	Ser29-Met617
<b>Accession</b>	AAH22509.1
<b>Calculated Molecular Weight</b>	68.9 kDa
<b>Observed molecular weight</b>	85-95 kDa
<b>Tag</b>	C-His

## Properties

<b>Purity</b>	> 90 % as determined by reducing SDS-PAGE.
<b>Endotoxin</b>	< 1.0 EU per µg of the protein as determined by the LAL method.
<b>Storage</b>	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
<b>Shipping</b>	This product is provided as lyophilized powder which is shipped with ice packs.
<b>Formulation</b>	Lyophilized from a 0.2 µm filtered solution of 20mM PB, 150mM NaCl, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Please refer to the specific buffer information in the printed man
<b>Reconstitution</b>	Please refer to the printed manual for detailed information.

## Data



> 90 % as determined by reducing SDS-PAGE.

## 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. It 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.

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Fax: 1-832-243-6017