



Recombinant Protein Technical Manual  
Recombinant Human Secretogranin-2/SCG2 Protein  
(His Tag)  
RPES4088

Product Data:

**Product SKU:** RPES4088

**Size:** 10µg

**Species:** Human

**Expression host:** Human Cells

**Uniprot:** P13521

Protein Information:

**Molecular Mass:** 68.8 kDa

**AP Molecular Mass:** 94 kDa

**Tag:** C-6His

**Bio-activity:**

**Purity:** > 90 % as determined by reducing SDS-PAGE.

**Endotoxin:** < 1.0 EU per µg as determined by the LAL method.

**Storage:** 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.

**Shipping:** This product is provided as lyophilized powder which is shipped with ice packs.

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

**Reconstitution:** Please refer to the printed manual for detailed information.

**Application:**

**Synonyms:** Secretogranin-2;Chromogranin-C;Secretogranin II; SgII.

## Immunogen Information:

**Sequence:** Ser29-Met617

## 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.