

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

Catalog Number: PKSH033013

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

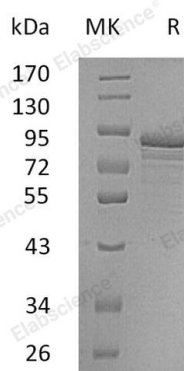
Description

| | |
|---------------|--|
| Species | Human |
| Source | HEK293 Cells-derived Human Secretogranin-2;SCG2 protein Ser29-Met617, with an C-terminal His |
| Calculated MW | 68.9 kDa |
| Observed MW | 85-95 kDa |
| Accession | AAH22509.1 |
| Bio-activity | Not validated for activity |

Properties

| | |
|----------------|--|
| Purity | > 90 % as determined by reducing SDS-PAGE. |
| Endotoxin | < 1.0 EU per µg of the protein as determined by the LAL method. |
| Storage | 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. |
| 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. Normally 5% - 8% trehalose, mannitol and 0.01% Tween 80 are added as protectants before lyophilization. |
| | Please refer to the specific buffer information in the printed manual. |
| Reconstitution | 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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