



Recombinant Protein Technical Manual

Recombinant Human Secretogranin 3/SCG3 Protein (His Tag) RPES3334

Product Data:

Product SKU: RPES3334

Size: 50µg

Species: Human

Expression host: HEK293 Cells

Uniprot: AAH14539.1

Protein Information:

Molecular Mass: 52.4 kDa

AP Molecular Mass:

Tag: C-His

Bio-activity:

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

Endotoxin: < 1.0 EU per µg of the protein 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 sterile PBS, pH 7.4

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

Application:

Synonyms: Secretogranin-3;Secretogranin III;SgIII;

Immunogen Information:

Sequence: Met 1-Leu468

Background:

SCG3, also known as secretogranin 3, is a member of the chromogranin/secretogranin family. Members of this family may serve as precursors for biologically active peptides. SCG3 is transported to secretory granules (SGs) in neuroendocrine cells. SCG3 binds strongly to chromogranin A (CgA) in an intragranular milieu and targets CgA to SGs in pituitary and pancreatic endocrine cells. With a sucrose density gradient of rat insulinoma-derived INS cell homogenates, SgIII is localized to the SG fraction and is fractionated to the SG membrane (SGM) despite lacking the transmembrane region.