



Recombinant Protein Technical Manual

Recombinant Human SCGN/Secretagoin Protein (Human Cells, His Tag) RPES5113

Product Data:

Product SKU: RPES5113

Size: 10µg

Species: Human

Expression host: Human Cells

Uniprot: O76038

Protein Information:

Molecular Mass: 33.08 kDa

AP Molecular Mass: 32 kDa

Tag: C-His

Bio-activity:

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

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

Storage: 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.

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

Formulation: Lyophilized from a 0.2 µm filtered solution of PBS, pH7.4.

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

Application:

Synonyms: Secretagoin; SCGN; SECRET; CALBL; DJ501N12.8; setagin

Immunogen Information:

Sequence: Met1-Pro276

Background:

Secretagogin (SCGN) is a secreted calcium-binding protein that is found in the cytoplasm; a small proportion is associated with secretory granules and membrane fractions. SCGN contains six EF-hand domains, related to calbindin D-28K and calretinin. SCGN is thought to be involved in KCL-stimulated calcium flux and cell proliferation. SCGN can be detected in human serum after ischemic neuronal damage. SCGN may function to negatively control growth and differentiation rates and, thus, indirectly inhibit cell replication.