

# Recombinant Full Length Mouse Scg3 Protein, His-tagged

**Cat. No.** SCG3-14729M    **Lot. No.** (See product label)

## SPECIFICATION

<b>Product Overview</b>	Recombinant Mouse Scg3(Met1-Leu471) fused with His tag at C-terminal was expressed in HEK293.
<b>Species</b>	Mouse
<b>Source</b>	HEK293
<b>ProteinLength</b>	1-471 a.a.
<b>Description</b>	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-1 cell homogenates, SgIII is localized to the SG fraction and is fractionated to the SG membrane (SGM) despite lacking the transmembrane region.
<b>Predicted N Terminal</b>	Phe 23
<b>Form</b>	<p>Lyophilized from sterile PBS, pH 7.4.</p> <ol style="list-style-type: none"> <li>Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Specific concentrations are included in the hardcopy of COA.</li> <li>Please contact us for any concerns or special requirements.</li> </ol>

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

<b>Molecular Mass</b>	The recombinant mouse Scg3 consists of 460 amino acids and predicts a molecular mass of 52.4 kDa.
<b>Endotoxin</b>	< 1.0 EU per µg protein as determined by the LAL method.
<b>Purity</b>	> 95 % as determined by SDS-PAGE.
<b>Stability</b>	Samples are stable for up to twelve months from date of receipt at -70 centigrade
<b>Storage</b>	Store it under sterile conditions at -20 centigrade to -80 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
<b>Reconstitution</b>	A hardcopy of COA with reconstitution instruction is sent along with the products. Please refer to it for detailed information.
<b>Shipping</b>	In general, recombinant proteins are provided as lyophilized powder which are shipped at ambient temperature. Bulk packages of recombinant proteins are provided as frozen liquid. They are shipped out with blue ice unless customers require otherwise.

## GENE INFORMATION

<b>Gene Name</b>	Scg3 secretogranin III [ <i>Mus musculus</i> ]
<b>Official Symbol</b>	Scg3
<b>Synonyms</b>	SCG3; secretogranin III; secretogranin-3; Chgd; SgIII; 1B1075; AI385542;
<b>Gene ID</b>	20255

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mRNA Refseq [NM\\_009130](#)

Protein Refseq [NP\\_033156](#)

UniProt ID [P47867](#)

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