Recombinant Full Length Mouse Scg3 Protein, His-tagged

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

SPECIFICATION

Product Overview	Recombinant Mouse Scg3(Met1-Leu471) fused with His tag at C-terminal was expressed in HEK293.
Species	Mouse
Source	HEK293
ProteinLength	1-471 a.a.
Description	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.
Predicted N Terminal	Phe 23
Form	Lyophilized from sterile PBS, pH 7.4. 1. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Specific concentrations are included in the hardcopy of COA. 2. Please contact us for any concerns or special requirements.

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Molecular Mass	The recombinant mouse Scg3 consists of 460 amino acids and predicts a molecular mass of 52.4 kDa.
Endotoxin	< 1.0 EU per μg protein as determined by the LAL method.
Purity	> 95 % as determined by SDS-PAGE.
Stability	Samples are stable for up to twelve months from date of receipt at -70 centigrade
Storage	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.
Reconstitution	A hardcopy of COA with reconstitution instruction is sent along with the products. Please refer to it for detailed information.
Shipping	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

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

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mRNA Refseq	NM_009130
Protein Refseq	NP_033156
UniProt ID	P47867

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