Recombinant Mouse Scg5 Protein, Myc/DDK-tagged

Cat. No. Scg5-5709M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length secretogranin V (Scg5), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Acts as a molecular chaperone for PCSK2/PC2, preventing its premature activation in the regulated secretory pathway. Binds to inactive PCSK2 in the endoplasmic reticulum and facilitates its transport from there to later compartments of the secretory pathway where it is proteolytically matured and activated. Also required for cleavage of PCSK2 but does not appear to be involved in its folding. Plays a role in regulating pituitary hormone secretion. The C-terminal peptide inhibits PCSK2 in vitro.
Molecular Mass	24.3 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade after receiving vials.
Concentration	>50 μg/mL as determined by microplate BCA method

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Storage Buffer	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

GENE INFORMATION

Gene Name	Scg5 secretogranin V [Mus musculus (house mouse)]
Official Symbol	Scg5
Synonyms	SCG5; secretogranin V; neuroendocrine protein 7B2; secretogranin-5; secretory granule endocrine protein I; secretory granule neuroendocrine protein 1, 7B2 protein; 7B2; Sgne1; Sgne-1; AI325031
Gene ID	20394
mRNA Refseq	NM_009162
Protein Refseq	NP_033188
UniProt ID	P12961

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