Recombinant Human SCG5 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. SCG5-4120H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	SCG5 MS Standard C13 and N15-labeled recombinant protein (NP_003011) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	This gene encodes a secreted chaperone protein that prevents the aggregation of other secreted proteins, including proteins that are associated with neurodegenerative and metabolic disease. The encoded protein may be best known for its role in the trafficking and activation of prohormone convertase PC2 (encoded by Gene ID: 5126). Phosphorylation of the encoded protein has been shown to have an inhibitory effect on its chaperone function. This gene also produces a ARHGAP11A-SCG5 readthrough transcript and ARHGAP11A-SCG5 protein.
Molecular Mass	23.7 kDa
AA Sequence	MVSRMVSTMLSGLLFWLASGWTPAFAYSPRTPDRVSEADIQRLLHGVMEQLGIARP RVEYPAHQAMNLVGPQSIEGGAHEGLQHLGPFGNIPNIVAELTGDNIPKDFSEDQGY PDPPNPCPVGKTDDGCLENTPDTAEFSREFQLHQHLFDPEHDYPGLGKWNKKLLY EKMKGGERRKRRSVNPYLQGQRLDNVVAKKSVPHFSDEDKDPETRTRPLEQKLISE EDLAANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining

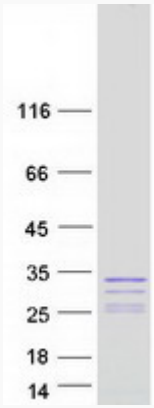
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Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 μg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name	SCG5 secretogranin V [Homo sapiens (human)]
Official Symbol	SCG5
Synonyms	SCG5; secretogranin V (7B2 protein); secretory granule, neuroendocrine protein 1 (7B2 protein), SGNE1; neuroendocrine protein 7B2; 7B2; prohormone convertase chaperone; SgV; secretogranin-5; pituitary polypeptide; secretory granule endocrine protein I; secretory granule, neuroendocrine protein 1 (7B2 protein); P7B2; SGNE1;
Gene ID	6447
mRNA Refseq	NM_003020
Protein Refseq	NP_003011
MIM	173120
UniProt ID	P05408

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SDS-PAGE	

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