

Recombinant Human SCG5 293 Cell Lysate

Cat. No. SCG5-2040HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for secretogranin V (7B2 protein) (SCG5), transcript variant 2 is a lysate prepared from HEK293T cells transiently transfected with a TrueORF gene-carrying pCMV plasmid (True ORF cDNA clone RC202772, OriGene Technologies, Inc.) and then lysed in RIPA Buffer. Protein concentration was determined using a colorimetric assay. The antigen control carries a C-terminal Myc/DDK tag for detection.
Components	This product includes 3 vials: 1 vial of gene-specific cell lysate, 1 vial of control vector cell lysate, and 1 vial of loading buffer. Each lysate vial contains 0.1 mg lysate in 0.1 ml (1 mg/ml) of RIPA Buffer (50 mM Tris-HCl pH7.5, 250 mM NaCl, 5 mM EDTA, 50 mM NaF, 1% NP40). The loading buffer vial contains 0.5 ml 2X SDS Loading Buffer (125 mM Tris-Cl, pH6.8, 10% glycerol, 4% SDS, 0.002% Bromophenol blue, 5% beta-mercaptoethanol).
Size	0.1 mg
Storage Instruction	Store at -80°C. Minimize freeze-thaw cycles. After addition of 2X SDS Loading Buffer, the lysates can be stored at -20°C. Product is guaranteed 6 months from the date of shipment.

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Applications

ELISA, WB, IP. WB: Mix equal volume of lysates with 2X SDS Loading Buffer. Boil the mixture for 10 min before loading (for membrane protein lysates, incubate the mixture at room temperature for 30 min). Load 5 ug lysate per lane.

GENE INFORMATION
Gene Name

SCG5 secretogranin V (7B2 protein) [Homo sapiens]

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_001144757

Protein Refseq

NP_001138229

MIM

173120

UniProt ID

P05408

Chromosome Location

15q13-q14

Function

GTP binding; enzyme inhibitor activity; protein binding; unfolded protein binding;

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