

Recombinant Human SCG5 293 Cell Lysate

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

SPECIFICATION

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.
Applications	ELISA, WB, IP. WB: Mix equal volume of lysates with 2X SDS Loading Buffer. Boil

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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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