

Recombinant Human GNG13 293 Cell Lysate

Cat. No. GNG13-5854HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for guanine nucleotide binding protein (G protein), gamma 13 (GNG13) is a lysate prepared from HEK293T cells transiently transfected with a TrueORF gene-carrying pCMV plasmid 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 GNG13 guanine nucleotide binding protein (G protein), gamma 13 [Homo sapiens]

Official Symbol GNG13

Synonyms h2-35; G(gamma)13

Gene ID 51764

mRNA Refseq NM_016541.2

Protein Refseq NP_057625.1

MIM 607298

UniProt ID Q9P2W3

Chromosome Location 16p13.3

Pathway ADP signalling through P2Y purinoceptor 1, organism-specific biosystem;ADP signalling through P2Y purinoceptor 12, organism-specific biosystem;Activation of Kainate Receptors upon glutamate binding, organism-specific biosystem;Alcoholism, organism-specific biosystem;Alcoholism, conserved biosystem;Aquaporin-mediated transport, organism-specific biosystem;Calcium Regulation in the Cardiac Cell, organism-specific biosystem;

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Function

signal transducer activity;

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