

Recombinant Human GNGT2 293 Cell Lysate

Cat. No. GNGT2-5849HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for guanine nucleotide binding protein (G protein), gamma transducing activity polypeptide 2 (GNGT2) 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

GNGT2 guanine nucleotide binding protein (G protein), gamma transducing activity polypeptide 2 [Homo sapiens]

Official Symbol

GNGT2

Synonyms

GNGT2; guanine nucleotide binding protein (G protein), gamma transducing activity polypeptide 2; guanine nucleotide-binding protein G(I)/G(S)/G(O) subunit gamma-T2; GNG9; G-gamma-9; g gamma-C; gamma-T2 subunit; G protein cone gamma 8 subunit; guanine nucleotide binding protein gamma 9; guanine nucleotide binding protein gamma transducing activity polypeptide 2; GNG8; GNGT8; G-GAMMA-8; G-GAMMA-C;

Gene ID

2793

mRNA Refseq

NM_001198754

Protein Refseq

NP_001185683

MIM

139391

UniProt ID

O14610

Chromosome Location

17q21

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Pathway

ADP signalling through P2Y purinoceptor 1, organism-specific biosystem; ADP signalling through P2Y purinoceptor 12, organism-specific biosystem; Activation of G protein gated Potassium channels, organism-specific biosystem; Activation of GABAB receptors, organism-specific biosystem; Activation of Kainate Receptors upon glutamate binding, organism-specific biosystem; Aquaporin-mediated transport, organism-specific biosystem; Chemokine signaling pathway, organism-specific biosystem;

Function

GTPase activity; GTPase activity; signal transducer activity;

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