

Recombinant Human GNAT2 293 Cell Lysate

Cat. No. GNAT2-5865HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species Human

Source HEK293

Description Antigen standard for guanine nucleotide binding protein (G protein), alpha transducing activity polypeptide 2 (GNAT2) 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

GNAT2 guanine nucleotide binding protein (G protein), alpha transducing activity polypeptide 2 [Homo sapiens]

Official Symbol

GNAT2

Synonyms

GNAT2; guanine nucleotide binding protein (G protein), alpha transducing activity polypeptide 2; guanine nucleotide-binding protein G(t) subunit alpha-2; ACHM4; transducin alpha-2 chain; cone-type transducin alpha subunit; transducin, cone-specific, alpha polypeptide; GNATC;

Gene ID

2780

mRNA Refseq

NM_005272

Protein Refseq

NP_005263

MIM

139340

UniProt ID

P19087

**Chromosome
Location**

1p13

Pathway

G alpha (i) signalling events, organism-specific biosystem; G-protein activation, organism-specific biosystem; G-protein mediated events, organism-specific

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biosystem; GPCR downstream signaling, organism-specific biosystem; Opioid Signalling, organism-specific biosystem; PLC beta mediated events, organism-specific biosystem; Phototransduction, organism-specific biosystem;

Function

G-protein beta/gamma-subunit complex binding; G-protein coupled photoreceptor activity; G-protein coupled receptor binding; GTP binding; GTPase activity; guanyl nucleotide binding; metal ion binding; nucleotide binding; phosphatidylinositol phospholipase C activity; signal transducer activity;

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