

Recombinant Human GNAO1 293 Cell Lysate

Cat. No. GNAO1-5868HCL Lot. No. (See product label)

SPECIFICATION

Species	Human
Source	HEK293
Description	Antigen standard for guanine nucleotide binding protein (G protein), alpha activating activity polypeptide O (GNAO1), transcript variant 1 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.
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	GNAO1 guanine nucleotide binding protein (G protein), alpha activating activity polypeptide O [Homo sapiens]
Official Symbol	GNAO1
Synonyms	GNAO1; guanine nucleotide binding protein (G protein), alpha activating activity polypeptide O; guanine nucleotide-binding protein G(o) subunit alpha; G ALPHA o; guanine nucleotide binding protein, alpha activating polypeptide O; GNAO; G-ALPHA-o; DKFZp686O0962;
Gene ID	2775
mRNA Refseq	NM_020988
Protein Refseq	NP_066268
MIM	139311
UniProt ID	P09471
Chromosome Location	16q13
Pathway	Calcium Regulation in the Cardiac Cell, organism-specific biosystem; Chagas disease (American trypanosomiasis), organism-specific biosystem; Chagas disease (American trypanosomiasis), conserved biosystem; Cholinergic synapse, organism-

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specific biosystem; Dopaminergic synapse, organism-specific biosystem;
Dopaminergic synapse, conserved biosystem; G Protein Signaling Pathways,
organism-specific biosystem;

Function

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

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