

## Recombinant Human GNAI3 293 Cell Lysate

Cat. No. GNAI3-5869HCL Lot. No. (See product label)

### SPECIFICATION

<b>Species</b>	Human
<b>Source</b>	HEK293
<b>Description</b>	Antigen standard for guanine nucleotide binding protein (G protein), alpha inhibiting activity polypeptide 3 (GNAI3) 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.
<b>Components</b>	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).
<b>Size</b>	0.1 mg
<b>Storage Instruction</b>	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.
<b>Applications</b>	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

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mixture at room temperature for 30 min). Load 5 ug lysate per lane.

## GENE INFORMATION

<b>Gene Name</b>	GNAI3 guanine nucleotide binding protein (G protein), alpha inhibiting activity polypeptide 3 [ Homo sapiens ]
<b>Official Symbol</b>	GNAI3
<b>Synonyms</b>	GNAI3; guanine nucleotide binding protein (G protein), alpha inhibiting activity polypeptide 3; guanine nucleotide-binding protein G(k) subunit alpha; 87U6; g(i) alpha-3; FLJ26559;
<b>Gene ID</b>	<a href="#">2773</a>
<b>mRNA Refseq</b>	<a href="#">NM_006496</a>
<b>Protein Refseq</b>	<a href="#">NP_006487</a>
<b>MIM</b>	<a href="#">139370</a>
<b>UniProt ID</b>	<a href="#">P08754</a>
<b>Chromosome Location</b>	1p13
<b>Pathway</b>	ADP signalling through P2Y purinoceptor 12, organism-specific biosystem; Activation of GABAB receptors, organism-specific biosystem; Adenylate cyclase inhibitory pathway, organism-specific biosystem; Axon guidance, organism-specific biosystem; Axon guidance, conserved biosystem; CXCR3-mediated signaling events, organism-specific biosystem; Calcium Regulation in the Cardiac Cell, organism-specific

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biosystem;

**Function**

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

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