

Active Recombinant Human GNAI2 protein, GST-tagged

Cat. No. GNAI2-190H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human GNAI2(2-end) fused with GST tag at N-terminal was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	2-end
Description	Guanine nucleotide-binding proteins (G proteins) are heterotrimeric signal-transducing molecules consisting of alpha, beta, and gamma subunits, and function as transducers downstream of G protein-coupled receptors (GPCRs) in numerous signaling cascades. The alpha subunit binds guanine nucleotide, can hydrolyze GTP, and can interact with other proteins. G protein subunit alpha i2 (GNAI2) regulates cellular viability and migration and plays roles in a wide range of hormone signaling.
Form	50mM Tris-HCl, pH 7.5, 150mM NaCl, 10mM glutathione, 0.1mM EDTA, 0.25mM DTT, 0.1mM PMSF, 25% glycerol.
Bio-activity	53 nmol/min/mg
Molecular Mass	65 kDa
Purity	>80%

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Applications	Enzyme Assay
Stability	1 year at -70 centigrade date of shipment.
Storage	Store product at -70 centigrade. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles.
Concentration	0.1 µg/µl

GENE INFORMATION

Gene Name	GNAI2 guanine nucleotide binding protein (G protein), alpha inhibiting activity polypeptide 2 [Homo sapiens]
Official Symbol	GNAI2
Synonyms	GNAI2; guanine nucleotide binding protein (G protein), alpha inhibiting activity polypeptide 2; GNAI2B; guanine nucleotide-binding protein G(i) subunit alpha-2; GIP; GTP binding regulatory protein Gi alpha 2 chain; adenylate cyclase-inhibiting G alpha protein; GTP-binding regulatory protein Gi alpha-2 chain; guanine nucleotide-binding protein G(i), alpha-2 subunit; H_LUCA15.1; H_LUCA16.1;
Gene ID	2771
mRNA Refseq	NM_002070
Protein Refseq	NP_002061
MIM	139360

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UniProt ID

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