

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	0.1µg/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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