

Active Recombinant Human GNAI1 protein, GST-tagged

Cat. No. GNAI1-189H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human GNAI1(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 i1(GNAI1) represents the alpha subunit of an inhibitory complex that responds to beta-adrenergic signals by inhibiting adenylate cyclase.
Form	50mM Tris-HCl, pH 7.5, 150mM NaCl, 10mM glutathione, 0.1mM EDTA, 0.25mM DTT, 0.1mM PMSF, 25% glycerol.
Bio-activity	74 nmol/min/mg
Molecular Mass	66 kDa
Purity	>95%

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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	0.05µg/µl

GENE INFORMATION

Gene Name	GNAI1 guanine nucleotide binding protein (G protein), alpha inhibiting activity polypeptide 1 [Homo sapiens]
Official Symbol	GNAI1
Synonyms	GNAI1; guanine nucleotide binding protein (G protein), alpha inhibiting activity polypeptide 1; guanine nucleotide-binding protein G(i) subunit alpha-1; Gi1 protein alpha subunit; adenylate cyclase-inhibiting G alpha protein; Gi;
Gene ID	2770
mRNA Refseq	NM_002069
Protein Refseq	NP_002060
MIM	139310
UniProt ID	P63096

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