

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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