Recombinant Human Human Human Human GNB1

Cat. No. GNAI2-31551TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human ADBR2 with N terminal FLAG tag and C terminal His tag, fused with Giα2 co-expressed with β 1 and γ 2 in Sf9 insect cells.
Species	Human
Description	The protein encoded by this gene is an alpha subunit of guanine nucleotide binding proteins (G proteins). The encoded protein contains the guanine nucleotide binding site and is involved in the hormonal regulation of adenylate cyclase. Several transcript variants encoding different isoforms have been detected for this gene, but the full-length nature of only two are known so far.
Conjugation	FLAG,His
Biological activity	Activity:3.5-7.7 pmol/mg.
Form	Liquid
Storage buffer	Preservative: NoneConstituents: 75mM Tris HCl, 12.5mM Magnesium chloride, 1mM EDTA, pH 7.4
Storage	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
Full Length	Full L.

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

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;
Gene ID	2771
mRNA Refseq	NM_001166425
Protein Refseq	NP_001159897
MIM	139360
Uniprot ID	P04899
Chromosome Location	3p21.31
Pathway	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;
Function	G-protein beta/gamma-subunit complex binding; G-protein coupled receptor binding; GTP binding; GTPase activity; GTPase activity;

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