

Recombinant Human Human Human GNAI1

Cat. No. GNB1-30631TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human PAFR with N terminal FLAG tag and C terminal His tag co-expressed with inhibitory G-protein $G_{i\alpha 1\beta 1\gamma 2}$, prepared from Sf9 insect cells triple-infected with PAFR, $G_{i\alpha 1}$ and $G_{\beta 1\gamma 2}$ encoding bac
Species	Human
Description	Heterotrimeric guanine nucleotide-binding proteins (G proteins), which integrate signals between receptors and effector proteins, are composed of an alpha, a beta, and a gamma subunit. These subunits are encoded by families of related genes. This gene encodes a beta subunit. Beta subunits are important regulators of alpha subunits, as well as of certain signal transduction receptors and effectors. This gene uses alternative polyadenylation signals.
Conjugation	FLAG,His
Form	Liquid
Storage buffer	Preservative: None Constituents: 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	GNB1 guanine nucleotide binding protein (G protein), beta polypeptide 1 [Homo sapiens]
Official Symbol	GNB1
Synonyms	GNB1; guanine nucleotide binding protein (G protein), beta polypeptide 1; guanine nucleotide-binding protein G(I)/G(S)/G(T) subunit beta-1;
Gene ID	2782
mRNA Refseq	NM_002074
Protein Refseq	NP_002065
MIM	139380
Uniprot ID	P62873
Chromosome Location	1p36.33
Pathway	ADP signalling through P2Y purinoceptor 1, organism-specific biosystem; ADP signalling through P2Y purinoceptor 12, organism-specific biosystem; Activation of G protein gated Potassium channels, organism-specific biosystem; Activation of GABAB receptors, organism-specific biosystem; Activation of Kainate Receptors upon glutamate binding, organism-specific biosystem;
Function	G-protein coupled receptor binding; GTPase activity; GTPase binding; signal transducer activity; type 1 angiotensin receptor binding;

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