

## Recombinant Human Human ADRB2

Cat. No. GNAI2-31549TH Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant full length Human ADRB2 with N terminal FLAG tag and C terminal His tag, coexpressed with Human Gia2 in Sf9 insect cells.
<b>Species</b>	Human
<b>Description</b>	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.
<b>Conjugation</b>	FLAG,His
<b>Biological activity</b>	Activity: 4-15 pmol/mg.
<b>Form</b>	Liquid
<b>Storage buffer</b>	Preservative: None Constituents: 75mM Tris HCl, 12.5mM Magnesium chloride, 1mM EDTA, pH 7.4
<b>Storage</b>	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
<b>Full Length</b>	Full L.

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## GENE INFORMATION

<b>Gene Name</b>	GNAI2 guanine nucleotide binding protein (G protein), alpha inhibiting activity polypeptide 2 [ Homo sapiens ]
<b>Official Symbol</b>	GNAI2
<b>Synonyms</b>	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;
<b>Gene ID</b>	2771
<b>mRNA Refseq</b>	NM_001166425
<b>Protein Refseq</b>	NP_001159897
<b>MIM</b>	139360
<b>Uniprot ID</b>	P04899
<b>Chromosome Location</b>	3p21.31
<b>Pathway</b>	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;
<b>Function</b>	G-protein beta/gamma-subunit complex binding; G-protein coupled receptor binding; GTP binding; GTPase activity; GTPase activity;

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