

## Recombinant Human GNB2, His-tagged

Cat. No. GNB2-13355H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human GNB2 protein, fused to His-tag, was expressed in E.coli and purified by Ni-sepharose.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	1-340a.a.
<b>Description</b>	The GLRA3 gene encodes the alpha-3 subunit of the neuronal glycine receptor, a ligand-gated chloride channel composed of ligand-binding alpha and structural beta polypeptides (Kingsmore et al., 1994 [PubMed 7894176]).
<b>Storage</b>	The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles.
<b>Storage Buffer</b>	1M PBS (58mM Na <sub>2</sub> HPO <sub>4</sub> , 17mM NaH <sub>2</sub> PO <sub>4</sub> , 68mM NaCl, pH8. ) added with 300mM Imidazole and 0.7% Sarcosyl, 15%glycerol.

### GENE INFORMATION

<b>Gene Name</b>	GNB2 guanine nucleotide binding protein (G protein), beta polypeptide 2 [ Homo sapiens ]
<b>Official Symbol</b>	GNB2

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA



<b>Synonyms</b>	GNB2; guanine nucleotide binding protein (G protein), beta polypeptide 2; guanine nucleotide-binding protein G(I)/G(S)/G(T) subunit beta-2; G protein; beta 2 subunit; guanine nucleotide binding protein G(I)/G(S)/G(T) beta subunit 2; signal transducing guanine nucleotide binding regulatory protein beta subunit; transducin beta chain 2; g protein subunit beta-2; G protein, beta-2 subunit; guanine nucleotide-binding protein G(I)/G(S)/G(T) beta subunit 2; signal-transducing guanine nucleotide-binding regulatory protein beta subunit;
<b>Gene ID</b>	<a href="#">2783</a>
<b>mRNA Refseq</b>	<a href="#">NM_005273</a>
<b>Protein Refseq</b>	<a href="#">NP_005264</a>
<b>MIM</b>	<a href="#">139390</a>
<b>UniProt ID</b>	<a href="#">P62879</a>
<b>Chromosome Location</b>	7q21.3-q22.1
<b>Pathway</b>	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; Aquaporin-mediated transport, organism-specific biosystem; Calcium Regulation in the Cardiac Cell, organism-specific biosystem;
<b>Function</b>	G-protein coupled receptor binding; GTPase activity; GTPase binding; calcium channel regulator activity; protein binding; signal transducer activity; type 1

Tel: 1-631-559-9269 1-516-512-3133

Email: [info@creative-biomart.com](mailto:info@creative-biomart.com) Fax: 1-631-938-8127

45-1 Ramsey Road, Shirley, NY 11967, USA



angiotensin receptor binding;

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA