

Recombinant Human GNB2, His-tagged

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

SPECIFICATION

Product Overview	Recombinant Human GNB2 protein, fused to His-tag, was expressed in E.coli and purified by Ni-sepharose.
Species	Human
Source	E.coli
ProteinLength	1-340a.a.
Description	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]).
Storage	The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles.
Storage Buffer	1M PBS (58mM Na ₂ HPO ₄ , 17mM NaH ₂ PO ₄ , 68mM NaCl, pH8.) added with 300mM Imidazole and 0.7% Sarcosyl, 15%glycerol.

GENE INFORMATION

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

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Synonyms	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;
Gene ID	2783
mRNA Refseq	NM_005273
Protein Refseq	NP_005264
MIM	139390
UniProt ID	P62879
Chromosome Location	7q21.3-q22.1
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; Aquaporin-mediated transport, organism-specific biosystem; Calcium Regulation in the Cardiac Cell, organism-specific biosystem;
Function	G-protein coupled receptor binding; GTPase activity; GTPase binding; calcium channel regulator activity; protein binding; signal transducer activity; type 1

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