

Recombinant Human GNB4, T7-tagged

Cat. No. GNB4-1537H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human GNB4 was expressed in <i>E. Coli</i> using an N-terminal T7 tag. MW=37.6kDa.
Species	Human
Source	E.coli
Protein Length	1-340 aa
Description	Heterotrimeric guanine nucleotide-binding proteins (G proteins), which integrate signals between receptors and effector proteins, are composed of an α , a β , and a γ subunit. These subunits are encoded by families of related genes. This gene encodes a β subunit. β subunits are important regulators of α subunits, as well as of certain signal transduction receptors and effectors.
Sequence	1-340.
Purity	~95%.
Specific Activity	n/aH.
Preparation	0.1 mg/0.2 ml.
Applications	E, WB, MS.

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Buffer	10 mM Tris, pH 8.0, 0.1% Triton X-100, 0.002% NaN ₃ .
Storage	Store at -70°C. As with any protein, exposing GNB4 recombinant protein to repeated freeze/thaw cycles is not recommended. When working with proteins care should be taken to keep recombinant protein at a cool and stable temperature.
SDS-PAGE	SDS PAGE Analysis of GNB4 Recombinant Protein. 4-20% SDS gradient gel. Coomassie blue staining.

GENE INFORMATION

Gene Name	GNB4 guanine nucleotide binding protein (G protein), beta polypeptide 4 [Homo sapiens]
Synonyms	GNB4; guanine nucleotide binding protein (G protein), beta polypeptide 4; guanine nucleotide-binding protein, beta-4 subunit transducin beta chain 4; G protein beta-4 subunit; guanine nucleotide binding protein beta subunit 4
Gene ID	59345
mRNA Refseq	NM_021629
Protein Refseq	NP_067642
MIM	610863
UniProt ID	Q9HAV0
Chromosome Location	3q26.33

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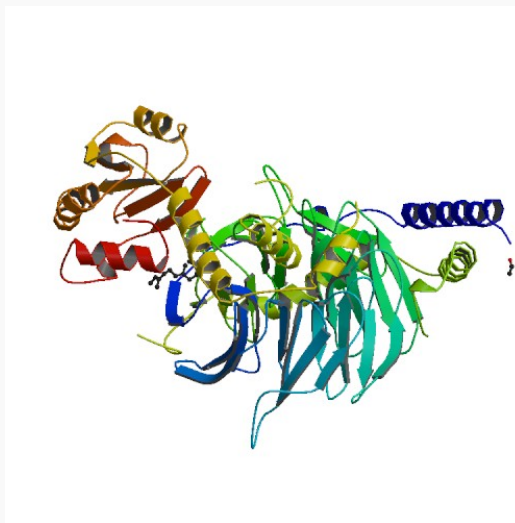
Pathway

Chemokine signaling pathway; Diabetes pathways; Hemostasis; Integration of energy metabolism; Opioid Signalling; Signaling by GPCR

Function

signal transducer activity

PDB rendering based
on 1a0r.



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