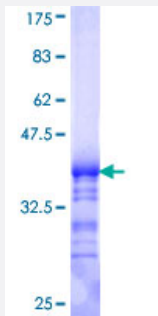


GNB5 (Human) Recombinant Protein (Q01)

Catalog # H00010681-Q01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human GNB5 partial ORF (NP_057278, 1 a.a. - 90 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	MCDQTFLVNVFGSCDKCFKQRALRPVFKKSQQLSYCSTCAEIMATEGLHENETLASLKSEAESLKGKLEEEERAKLHDVELHQVAERVEAL
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	35.64
Interspecies Antigen Sequence	Mouse (99)
Preparation Method	in vitro wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — GNB5

Entrez GeneID [10681](#)

GeneBank Accession# [NM_016194](#)

Protein Accession# [NP_057278](#)

Gene Name GNB5

Gene Alias FLJ37457, FLJ43714, GB5

Gene Description guanine nucleotide binding protein (G protein), beta 5

Omim ID [604447](#)

Gene Ontology [Hyperlink](#)

Gene Summary 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. Alternatively spliced transcript variants encoding different isoforms exist. [provided by RefSeq]

Other Designations G protein, beta subunit 5L|G protein, beta-5 subunit|guanine nucleotide-binding protein, beta subunit 5L|guanine nucleotide-binding protein, beta-5 subunit|transducin beta chain 5

Pathway

- [Chemokine signaling pathway](#)

Disease

- [Genetic Predisposition to Disease](#)
- [Hematologic Diseases](#)
- [Occupational Diseases](#)