

Recombinant Human GNB1L Protein, GST-tagged

Cat. No. GNB1L-5052H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human GNB1L full-length ORF (NP_443730.1, 1 a.a. - 327 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
Description	This gene encodes a G-protein beta-subunit-like polypeptide which is a member of the WD repeat protein family. WD repeats are minimally conserved regions of approximately 40 amino acids typically bracketed by gly-his and trp-asn (GH-WD), which may facilitate formation of heterotrimeric or multiprotein complexes. Members of this family are involved in a variety of cellular processes, including cell cycle progression, signal transduction, apoptosis, and gene regulation. This protein contains 6 WD repeats and is highly expressed in the heart. The gene maps to the region on chromosome 22q11, which is deleted in DiGeorge syndrome, trisomic in derivative 22 syndrome and tetrasomic in cat-eye syndrome. Therefore, this gene may contribute to the etiology of those disorders. Transcripts from this gene share exons with some transcripts from the C22orf29 gene. [provided by RefSeq]
Molecular Mass	62 kDa
AA Sequence	MTAPCPPPPDPQFVLRGTQSPVHALHFCEGAQAQGRPLLFSGSQSGLVHIWSLQ TRRAVTTLDGHGGQCVTLWLQTLPPGRQLLSQGRDLKLCLWDLAEGRSVVDSVCL ESGVFCRSSILAGGQPRWTLAVPGRGSDEVQILEMPKTSVCALKPKADAKLGMPM

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CLRLWQADCSSRPLLLAGYEDGSVVLWDVSEQKVCSSRIACHEEPVMDLDFDSQKA
 RGISGSAGKALAVWSLDWQQALQVRGTHELTNPGIAEVTIRPDRKILATAGWDHRIR
 VFHWRTMQPLAVLAFHSAAVQCVAFTADGLLAAGSKDQRISLWSLYPRA

Applications

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

Notes

Best use within three months from the date of receipt of this protein.

Storage

Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name

GNB1L guanine nucleotide binding protein (G protein), beta polypeptide 1-like [Homo sapiens]

Official Symbol

GNB1L

Synonyms

GY2; FKSG1; WDR14; WDVCF; DGCRK3

Gene ID

54584

mRNA Refseq

NM_053004

Protein Refseq

NP_443730

MIM

610778

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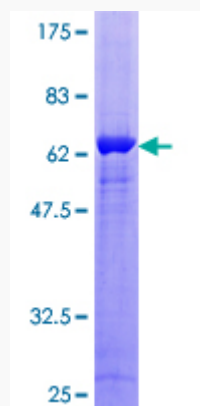
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UniProt ID

Q9BYB4

Quality Control
Testing



12.5% SDS-PAGE Stained with Coomassie Blue.

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