

Recombinant Full Length Human GNB1L Protein, GST-tagged

Cat. No. GNB1L-5341HF **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	In Vitro Cell Free System
ProteinLength	327 amino acids
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-aspartic acid (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 TRRAVTTLDGHGGQCVTWLQTLPPQGRQLLSQGRDLKLCLWDLAEGRSVVDSVCL

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ESVGFCRSSILAGGQPRWTLAVPGRGSDEVQILEMPSTSVCALPKKADAKLGMPM
CLRLWQADCSSRPLLLAGYEDGSSVVLWDVSEQKVCSSRIACHEEPVMDLDFDSQKA
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

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MIM	610778
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UniProt ID	Q9BYB4
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