GNB1L Blocking Peptide

PRODUCT OVERVIEW

Product Name	GNB1L, Blocking Peptide
Full Product Name	GNB1L Peptide
Product Gene Name	GNB1L blocking peptide
Product Synonym Gene Name	GY2; FKSG1; WDR14; WDVCF; DGCRK3
Form/Format	Lyophilized powder
Preparation and Storage	Add 100ul of sterile PBS. Final peptide concentration is 1 mg/ml in PBS. For longer periods of storage, store at -20 degree C. Avoid repeat freeze-thaw cycles.
Antibody/Peptide Pairs	GNB1L peptide (MBS3230742) is used for blocking the activity of GNB1L antibody (MBS3205779)
Molecular Weight	36kDa
OMIM	610778
Product Categories/Family for GNB1L blocking peptide	Peptide
Applications Tested/Suitable for GNB1L blocking peptide	Immunohistochemistry (IHC), Western Blot (WB)
Related Product Information for GNB1L blocking peptide	This is a synthetic peptide designed for use in combination with anti-GNB1L antibody made Target Description: GNB1L is 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-asp (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. Therefore, this gene may contribute to the etiology of those disorders.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-asp (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.
Other Notes	Small volumes of GNB1L blocking peptide vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for GNB1L purchase	MBS3230742 is a blocking peptide targeting GNB1L. Also known as GNB1L Peptide.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for GNB1L. It may not necessarily be applicable to this product.

NCBI GI #	17402902
NCBI GeneID	54584
NCBI Accession #	NP_443730
UniProt Primary Accession #	Q9BYB4

UniProt Related Accession #	Q9BYB4
GenBank Nucleotide #	NM_053004
NCBI Official Full Name	guanine nucleotide-binding protein subunit beta-like protein 1
NCBI Official Synonym Full Names	G protein subunit beta 1 like
NCBI Official Symbol	GNB1L
NCBI Official Synonym Symbols	GY2; FKSG1; WDR14; WDVCF; DGCRK3
UniProt Protein Name	Guanine nucleotide-binding protein subunit beta-like protein 1
UniProt Synonym Protein Names	DGCRK3; WD repeat-containing protein 14; WD40 repeat-containing protein deleted in VCFS
Protein Family	Guanine nucleotide-binding protein subunit beta-like protein
UniProt Gene Name	GNB1L
UniProt Synonym Gene Names	GY2; KIAA1645; WDR14; G protein subunit beta-like protein 1; WDVCF
UniProt Entry Name	GNB1L_HUMAN
NCBI Protein Information	guanine nucleotide-binding protein subunit beta-like protein 1
NCBI Summary for GNB1L	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-asp (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, Jul 2008]
Research Articles on GNB1L	**1.** mRNA expression results implies that the GNB1L high-expression allele is the risk allele for schizophrenia and bipolar disorder in the Han Chinese population.
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