

Product datasheet for MR229175

Gnb1l (NM_001285494) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Gnb1l (NM_001285494) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Gnb1l
Synonyms:	ESTM55; Gm16314; Me49f07; OTTMUSG00000033458; Wdr14; Wdvcf
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>MR229175 representing NM_001285494 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGCAGCCCTGTTCCACCACCGCCTGGTCCCAGATTTGTCCTCCGAGGCACACAGTCGGCTGTGAACA
CGCTCCATTTCTGCCACCATCCAAGCTGCAGGGAACCACTTCTTTCTCAGGGTCTCAGAATGGCCT
AGTACATATCTGGAGCCTACAAACAAGAAGAATAGTTACCACTCTAAATGGCCATGGGGCCAGGGTGTA
ATCTGGCTGAAGACACTGCCACAGGGACACCAGCTCCTCAGCCAGGGTCGAGACCTGCGGCTGTGCCTGT
GGGACCTGGAGGAGGGCAGGAACACCATCATGGACTCAGTTCAGCTGGACAGTGTGGGCTTCTGCAGGGG
CTCCATCCTGGTCAGGGGACAGCAGTGTGGATGCTTGCTGTGCCAGGGAAGGGCAGCGACGAGGTTGAG
ATTCTGGAGATGCCATCCAAGACGTGAGTGTGCACCCTGAAGCCGGAGGCCGATGCCAGGCCAGGCATGC
CCATGTGCTGGGGCTGTGGCAGGATGGATCAGTAACCTGTGGGACATCTCAGAGCGGAAGGTGTGCAG
CCAAATCACCTGCCATGAAGAGCCTGTGATGGGCTCGACTTCGACTCTCAGAAGCCAAGGGCATCTCT
GGCTCTGCTGGGAAGGTACTGGCTGTCTGGAGTCTGGACGATCAGCAGTCCCTGCAGGTGAAGAAGACTC
ATGAACTACCAATCCTGGAATTGCCGAAGTCACCATCCGGCCAGACCACAAGATCTTAGCCACAGCAGG
CTGGGACCATCGATCCGTGTGTTTCACTGGAGGACAATGAAACCGTTAGCTGTTCTGGCTTTCCACAGC
GCTCCTGTGTAAGTGGCTTTGCTGCTGATGGCTTGCTTGCTGCGGGGTCCAAGGACCAGCGTATCA
GCATCTGGTCACTCTACCCTGCCCA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR229175 representing NM_001285494
 Red=Cloning site Green=Tags(s)

MAALFPPPPGPRFVLRGTQSAVNTLHFCPPSQAAGNPLLFSGSQNGLVHIWSLQTRRIVTTLNGHGGQGV
 IWLKTL PQGHQLLSQGRDLRLCLWDLEEGRNTIMDSVQLDSVGF CRGSILVRGQQCWMLAVPGKGSDEVQ
 ILEMPSKTSVCTLKPEADARPGMPMCLGLWQDGSVTLWDISERKVC SQITCHEEPPVMGLDFDSQKAKGIS
 GSAGKVLAVWSLDDQSLQVKKTHELTNPGIAEVTIRPDHKILATAGWDHRIRVFWRTMKPLAVLAFHS
 APVYCVAF AADGLLAAGSKDQRISIWSLYPCP

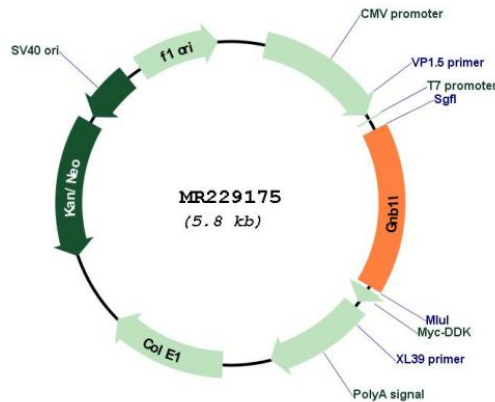
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001285494

ORF Size: 936 bp

OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	<ol style="list-style-type: none"> 1. Centrifuge at 5,000xg for 5min. 2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA. 3. Close the tube and incubate for 10 minutes at room temperature. 4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom. 5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	NM_001285494.1 , NP_001272423.1
RefSeq Size:	3525 bp
RefSeq ORF:	939 bp
Locus ID:	13972
Cytogenetics:	16 11.46 cM
MW:	34.6 kDa