

Product datasheet for MR229255

Gnb1l (NM_001081682) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Gnb1l (NM_001081682) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Gnb1l
Synonyms:	ESTM55; Gm16314; Me49f07; OTTMUSG00000033458; Wdr14; Wdvcf
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR229255 representing NM_001081682 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGCAGCCCTGTTCCACCACCGCCTGGTCCCAGATTTGCTCCGAGGCACACAGTCGGCTGTGAACA
CGCTCCATTTCTGCCACCATCCAAGCTGCAGGGAACCACTTCTTTCTCAGGGTCTCAGAATGGCCT
AGTACATATCTGGAGCCTACAAACAAGAAGAATAGTTACCACTCTAAATGGCCATGGGGCCAGGGTGTA
ATCTGGCTGAAGACTGCCACAGGACACCAGCTCCTCAGCCAGGGTCGAGACCTGCGGCTGTGCCTGT
GGGACCTGGAGGAGGGCAGGAACACCATCATGGACTCAGTTCAGCTGGACAGTGTGGCTTCTGCAGGGG
CTCCATCCTGGTCAGGGACAGCAGTGGTGGATGCTTGTGTGCCAGGGAAGGGCAGCGACGAGGTTTCAG
ATTCTGGAGATGCCATCCAAGACGTGAGTGTGCACCCTGAAGCCGGAGGCCGATGCCAGGCCAGGCATGC
CCATGTGCCTGGGACTGTGGCAGACTAACTCCAGTCTCCGCCCTCCTTCTGGCTGGCTATGAGGATGG
ATCAGTAAACCCTGTGGGACATCTCAGAGCGGAAGGTGTGCAGCCAAATCACCTGCCATGAAGAGCCTGTC
ATGGGCCCTCGACTTCGACTCTCAGAAAGGCCAAGGGCATCTCTGGCTCTGTGGGAAGGTACTGGCTGTCT
GGAGTCTGGACGATCAGCAGTCCCTGCAGGTGAAGAAGACTCATGAACTACCAATCCTGGAATTGCCGA
AGTCACCATCCGGCCAGACCACAAGATCTTAGCCACAGCAGGCTGGGACCATCGCATCCGTGTGTTTCAC
TGGAGGACAATGAAACCGTTAGCTGTTCTGGCTTCCACAGCGCTCCTGTGTACTGCGTGGCCTTTGCTG
CTGATGGCTTGTCTGCTGCGGGGTCCAAGGACCAGCGTATCAGCATCTGGTCACTCTACCCCTGCCCA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR229255 representing NM_001081682
Red=Cloning site Green=Tags(s)

MAALFPPPPGPRFVLRGTQSAVNTLHFCPPSQAAGNPLLFSGSQNGLVHIWSLQTRRIVTTLNGHGGQGV
 IWLKTL PQGHQLLSQGRDLRLCLWDLEEGRNTIMDSVQLDSVGF CRGSILVRGQQCWMLAVPGKGSDEVQ
 ILEMPSKTSVCTLKPEADARPGMPMCLGLWQTNSSLRPLLLAGYEDGSVTLWDISERKVCQSITCHEEPV
 MGLDFDSQKAKGISGSAGKVLAVWSLDDQSLQVKKTHELTNPGIAEVTIRPDHKILATAGWDHRIRVVFH
 WRTMKPLAVLAFHSAPVYCVAF AADGLLAAGSKDQRISIWLSLYPCP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_001081682

ORF Size: 978 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:

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_001081682.1](#), [NM_001081682.2](#), [NP_001075151.1](#)

RefSeq Size: 3625 bp

RefSeq ORF: 981 bp

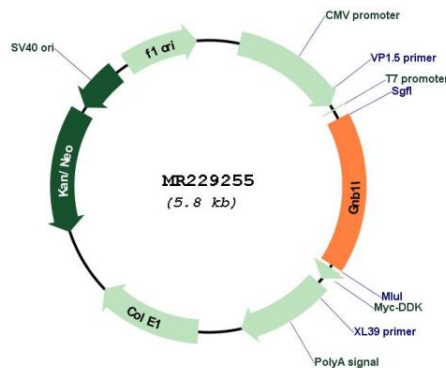
Locus ID: 13972

UniProt ID: [Q9EQ15](#)

Cytogenetics: 16 11.46 cM

MW: 35.7 kDa

Product images:



Circular map for MR229255