

Product datasheet for **MR229460**

Gnb1l (NM_001285493) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Gnb1l (NM_001285493) 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: >MR229460 representing NM_001285493
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGGCAGCCCTGTTCCACCACCGCCTGGTCCCAGATTTGTCCTCCGAGGCACACAGTCGGCTGTGAACA
CGCTCCATTTCTGCCACCATCCAAGCTGCAGGGAACCACTTCTCTTCTCAGGGTCTCAGAATGGCCT
AGTACATATCTGGAGCCTACAAACAAGAAGAATAGTTACCACTCTAAATGGCCATGGGGCCAGGGTGTA
ATCTGGCTGAAGACACTGCCACAGGGACACCAGCTCCTCAGGGTCGAGACCTGCGGCTGTGCCTGTGGGA
CCTGGAGGAGGGCAGGAACCATCATGGACTCAGTTCAGCTGGACAGTGTGGGCTTCTGCAGGGGCTCC
ATCCTGGTCAGGGGACAGCAGTGTGGATGCTTGTCTGTGCCAGGGAAGGGCAGCGACGAGAATCAGCCAT
CACCTGTTGGCAGAGTACGGGCACAAGGCGTGGGCAGTGATGAGCAGCCAAAGGGCCGGGACTATGCTC
TGATCCAAACACTAAGGGTTCAGATTCTGGAGATGCCATCCAAGACGTCAGTGTGCACCTGAAGCCGGA
GGCCGATGCCAGGCCAGGCATGCCATGTGCCTGGGGCTGTGGCAGACTAACTCCAGTCTCCGCCCTC
CTTCTGGCTGGCTATGAGGATGGATCAGTAACCCTGTGGGACATCTCAGAGCGGAAGGTGTCAGCCAAA
TCACCTGCCATGAAGAGCCTGTCTGGGCTCGACTTCGACTCTCAGAAGGCCAAGGGCATCTCTGGCTC
TGCTGGGAAGGTACTGGCTGTCTGGAGTCTGGACGATCAGCAGTCCCTGCAGGTGAAGAAGACTCATGAA
CTCACCAATCCTGGAATTGCCGAAGTACCATCCGGCCAGACCACAAGATCTTAGCCACAGCAGGCTGGG
ACCATCGCATCCGTGTGTTTCACTGGAGGACAATGAAACCCTTAGCTGTTCTGGCTTTCCACAGCGCTCC
TGTGTAAGTGCCTTTGCTGCTGATGGCTTGTCTGCGGGTCCAAGGACCAGCGTATCAGCATC
TGGTCACTCTACCCCTGCCCA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR229460 representing NM_001285493
 Red=Cloning site Green=Tags(s)

MAALFPPPPGPRFVLRGTQSAVNTLHFCPPSQAAGNPLLFSGSQNGLVHIWSLQTRRIVTTLNGHGGQGV
 IWLKTL PQGHQLLRVETCGCACGTWRRAGTPSWTQFSWTVWASAGAPSWSGDSSAGCLLCQGRAATRISH
 HPVGRVRAQGVGSDQPKGRDYALIQTLRVQILEMPSKTSVCTLKPEADARPGMPMCLGLWQTNSSLRPL
 LLAGYEDGSVTLWDISERKVC SQITCHEEPMGLDFDSQKAKGISGSAGKVLAVWSLDDQQLVKKTHE
 LTNPGLAEVTIRPDHKILATAGWDHRIRVFHWRTMKPLAVLAFHSAPVYCVAFADGLLAAGSKDQRISI
 WSLYPCP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

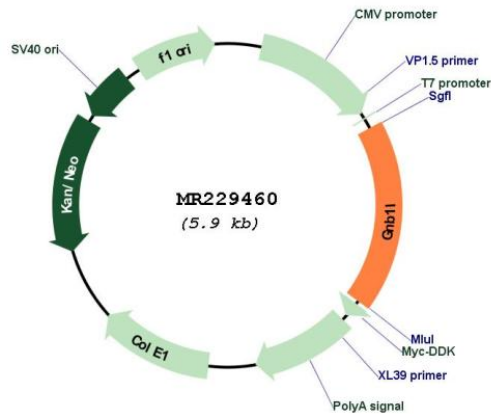
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001285493

ORF Size:	1071 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_001285493.1 , NP_001272422.1
RefSeq Size:	3660 bp
RefSeq ORF:	1074 bp
Locus ID:	13972
Cytogenetics:	16 11.46 cM
MW:	39.2 kDa