

Product datasheet for MR231936

Gon4l (NM_001242372) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Gon4l (NM_001242372) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Gon4l
Synonyms:	1500041I23Rik; 2610100B20Rik; 3632445O20Rik; 5430404N14Rik; AA387005
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR231936 representing NM_001242372 Red=Cloning site Blue=ORF Green=Tags(s)

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GTCCTGGGGTCAGAGTCAGGACAGTGCAGTGTGCCCTGAAGGGCTCTCCATGCAGGATGGAGACGATCAG
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Protein Sequence: >MR231936 representing NM_001242372
 Red=Cloning site Green=Tags(s)

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 VVLWTREADRVLTMQCQEQAQPHFTSVISQQLGNKTPVEVSHRFRELMQLFHTACEASSEDEDDATSTS
 NADQLSDHGDLLSEEELDE

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI

Cloning Scheme:


ACCN: NM_001242372

ORF Size: 6777 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_001242372.1](#), [NP_001229301.1](#)

RefSeq Size: 7597 bp

RefSeq ORF: 6780 bp

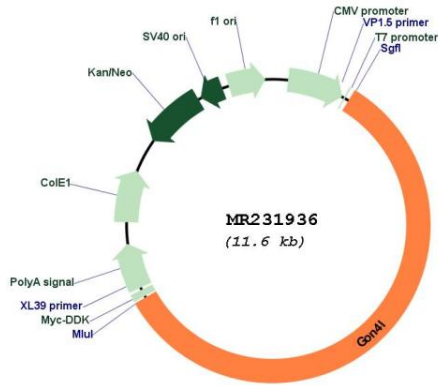
Locus ID: 76022

Cytogenetics: 3 F1

MW: 248.6 kDa

Gene Summary: Has transcriptional repressor activity, probably as part of a complex with YY1, SIN3A AND HDAC1 (PubMed:21454521). Required for B cell lymphopoiesis (PubMed:20530203). [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR231936