

## Product datasheet for MR201530

### Reg3b (NM\_011036) Mouse Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Reg3b (NM\_011036) Mouse Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** Reg3b  
**Synonyms:** HIP; Pap; PAP1; REG-III  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**ORF Nucleotide Sequence:** >MR201530 ORF sequence  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGCTGCCTCCAACAGCCTGCTCCGTCATGTCCTGGATGCTGCTCTCCTGCCTGATGCTCTTATCTCAGG  
TTCAAGGTGAAGACTCCCTGAAGAATATACCCTCCGCACGCATTAGTTGCCCAAGGGCTCCAGGCTTA  
TGGCTCCTACTGCTATGCCTTGTTCAGATACCACAGACCTGGTTTATGATGCAGAACTGGCCTGCCAAAAG  
AGGCTGGAGACACCTCGTATCTGTGCTCAATAGCGCTGAGGCTTCATTCTTGCCTCCATGGTGAAGA  
GAACAGGAAACAGCTACCAATACACTTGGATTGGCTCCATGACCCCACTCTGGGTGCAGAACCCAATGG  
AGGTGGATGGGAATGGAGTAACAATGACGTGATGAATTACTTTAACTGGGAGAGGAACCCATCTACTGCC  
TTAGACCGTGCTTTCTGTGGCAGCTTGTCAAGAGCTTCTGGATTCTAAAATGGAGAGATATGACATGTG  
AGGTGAAGTTGCCCTATGTCTGCAAATTTACTGGT

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >MR201530 protein sequence  
Red=Cloning site Green=Tags(s)

MLPPTACSVMSWMLLSCLMLLSQVQGEDSLKNIPSARISCPKGSQAYGSYCYALFQIPQTFDAELACQK  
RPGGHLVSVLNSAEASFLSSMVKRTGNSYQYTWIGLHDPPLGAEPNGGGWEWSNNDVMNYFNWERNPSTA  
LDRAFCSLSRASGFLKWRDMTCEVKLPYVCKFTG

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** Sgfl-MluI



**Cloning Scheme:**


**ACCN:** NM\_011036

**ORF Size:** 528 bp

**OTI Disclaimer:** Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at [custsupport@origene.com](mailto:custsupport@origene.com) or by calling 301.340.3188 option 3 for pricing and delivery.

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\\_011036.1](#), [NP\\_035166.1](#)

RefSeq Size: 759 bp

RefSeq ORF: 528 bp

Locus ID: 18489

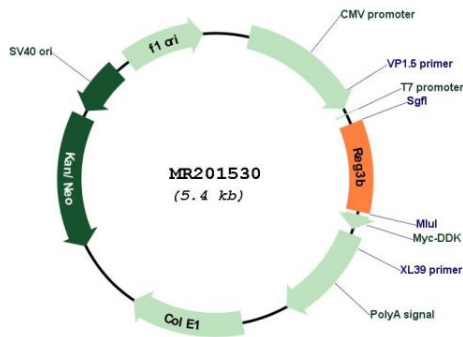
UniProt ID: [P35230](#)

Cytogenetics: 6 C3

MW: 19.5 kDa

**Gene Summary:** Bactericidal C-type lectin which acts against several intestinal Gram-positive and Gram-negative bacteria. Lacks antibacterial activity against *S.typhimurium*. May play a role in protection against infection with *S.enteritidis* by inhibiting its translocation from the gut lumen into intestinal tissues and further extraintestinal tissues.[UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for MR201530