

## Product datasheet for **MR220033**

### Reg3a (NM\_011259) Mouse Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Reg3a (NM\_011259) Mouse Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** Reg3a  
**Synonyms:** AV063448  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**ORF Nucleotide Sequence:** >MR220033 ORF sequence  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGCTGCCTCACCTGGTCTCAACAGTATTTCTGGATGCTGCTCTCTGCCTGTTGTTTGTATTTGAGG  
 TACAAGGTGAAGACTTCCAGAAGGAAGTCCCTCTCCACGTACCAGCTGCCCCATGGGTTACAAGGCTTA  
 TCGCTCCACTGCTATGCCTTAGTTATGACACCTAAATCTGGTTTCAAGCAGATCTGGTCTGCCAGAAG  
 AGACCTCAGGACATCTCGTGTCTATTCTTAGTGGAGGTGAGGCTTCTTTGTGCTCCTTGGTGAACG  
 GCAGAGTGGACAACCTACCAAGACATCTGGATTGGGCTCCATGATCCAACAATGGGTCAACAACCCAATGG  
 AGGTGGATGGGAGTGGAGTAACTCCGATGTGCTGAATTATCTTAACTGGGATGGGATCCTTCTCTACT  
 GTCAACCGTGGTCACTGTGGGAGTCTGACAGCAAGTTCAGGGTTTCTGAAGTGGGAGACTATTACTGCG  
 ATGGGACATTACCATTTGTCTGCAAGTTCAAGCAG

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >MR220033 protein sequence  
 Red=Cloning site Green=Tags(s)

MLPHLVLNSISWMLLSCLLFVQVQGEDFQKEVPSRPTSCPMGYKAYRSHCYALVMPKSWFQADLVCQK  
 RPSGHLVSILSGGEASFVSSLVNGRVDNYQDIWIGLHDPMTGQQPNGGWEWSNSDVLNLYLNWDGDPSS  
 VNRGHCGSLTASSGFLKWGDYCDGTLPFVCKFKQ

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** Sgfl-MluI



**Cloning Scheme:**


**ACCN:** NM\_011259

**ORF Size:** 528 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\\_011259.1](#), [NP\\_035389.1](#)

**RefSeq Size:** 837 bp

**RefSeq ORF:** 528 bp

**Locus ID:** 19694

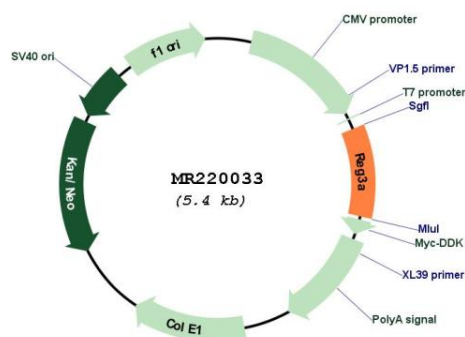
**UniProt ID:** [O09037](#)

**Cytogenetics:** 6 34.76 cM

MW: 19.5 kDa

**Gene Summary:** Bactericidal C-type lectin (By similarity). Regulates keratinocyte proliferation and differentiation after skin injury via activation of EXTL3-PI3K-AKT signaling pathway. [UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for MR220033