

Product datasheet for **MC204993**

Reg3g (NM_011260) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Reg3g (NM_011260) Mouse Untagged Clone
Tag: Tag Free
Symbol: Reg3g
Synonyms: AI449515; REG-3-gamma; reg III-gamma
Mammalian Cell Selection: Neomycin
Vector: PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection: Kanamycin (25 ug/mL)

Fully Sequenced ORF: >BC061139
 ACCATCCTAGGGATCTGCAAGACAGACAAGATGCTTCCCCGTATAACCATCACCATCATGTCTGGATGC
 TGCTCTCCTGCCTGATGCTCCTTTCTCAGGTGCAAGGTGAAGTTGCCAAGAAAGATGCCCATCTTCACG
 TAGCAGCTGCCCAAGGGCTCCCGTGCCTATGGCTCCTATTGCTATGCCTTGTTTGTGTATCTAAAAAC
 TGGTATGATGCAGATATGGCCTGCCAAAAGAGGCCCTCAGGACATCTTGTGTCTGTGCTCAGTGGCGCTG
 AAGCTTCCTTCTGCTCCATGATCAAAAGCAGTGGTAACAGTGGCCAATATGTATGGATTGGGCTCCA
 TGACCCGACACTGGGCTATGAACCCAACAGAGGTGGATGGGAGTGGAGCAATGCTGATGTGATGAATTAC
 ATCAACTGGGAGACGAATCCTTCCTCTTCTCAGGCAATCACTGTGGTACCCTGTCAAGAGCCTCAGGAT
 TTCTGAAGTGGAGAGAGAATTATTGTAACCTTAGAGTTACCCTATGTCTGCAAATCAAGGCCTAGAGTAC
 AGAATTGACATCATGGGTTGATATACCTAGCCACAAGCAAGATCCCAAATGTGAAGACAGATGAAAAA
 GGAACATTCTCCCAACAATCGAAATCTGACCTCCTGATTTTCTCCTTCTGGCCCTTCCCTCCTCTCA
 TTTGAGGAACTCTGTGTGCACTATGGCCTTAATTCTCAAAGCATAAATATTAAGTATATAACTCATGCTC
 TAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA

Restriction Sites: SfiI-SfiI

ACCN: NM_011260

Insert Size: 525 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

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).



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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: [BC061139](#), [AAH61139](#)

RefSeq Size: 801 bp

RefSeq ORF: 525 bp

Locus ID: 19695

UniProt ID: [O09049](#)

Cytogenetics: 6 C3

Gene Summary: This gene encodes a C-type lectin that demonstrates bactericidal activity. This gene is predominantly expressed in the distal small intestine where the encoded protein undergoes proteolytic processing by trypsin. Mice lacking the encoded protein exhibit altered mucus distribution, increased bacterial contact with the epithelium, and elevated inflammatory markers in the ileum, and low-grade inflammation. [provided by RefSeq, Jun 2016]