

Product datasheet for **RN212678**

Reg3g (NM_173097) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Reg3g (NM_173097) Rat Untagged Clone
Tag: Tag Free
Symbol: Reg3g
Synonyms: Pap3; PAPIII
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >RN212678 representing NM_173097
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCTGCCTCGTGTAGCCCTCACCACCATGTCCTGGATGCTGCTGCCAGCCTGATGCTTATCTCAGG
TGCAAGGTGAAGATGCCAAGGAAGATGTGCCACTTCACGTATCAGCTGCCCAAGGGCTCGCGTGCTA
TGGCTCCTATTGCTATGCCTTGTTAGTGTATCCAAATCTTGGTTTGATGCAGATCTGGCCTGCCAGAAG
AGGCCATCAGGACACCTTGTGTCTGTGCTCAGTGGATCTGAAGCTTCCTTTGTGTCTCCTTGATAAAA
GCAGTGTTAACAGTGGCCAAAACGTGTGGATTGGGCTCCATGATCCAACACTGGGCCAAGAACCACAG
AGGTGGATGGGAGTGGAGTAATGCTGATGTGATGAATTACTTCAACTGGGAGACGAATCCTTCTTCTGTC
TCTGGAAGTCACTGTGGACCCTGACACGAGCCTCAGGATTTCTGAGGTGGAGAGAGAATAATTGTATCT
CAGAATTGCCATATGCTGCAAGTTCAAGGCC**TAG**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_173097
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).



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| 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_173097.1 , NP_775120.1 |
| RefSeq Size: | 773 bp |
| RefSeq ORF: | 525 bp |
| Locus ID: | 24620 |
| UniProt ID: | P42854 |
| Cytogenetics: | 4q33 |
| Gene Summary: | Bactericidal C-type lectin which acts exclusively against Gram-positive bacteria and mediates bacterial killing by binding to surface-exposed carbohydrate moieties of peptidoglycan. Restricts bacterial colonization of the intestinal epithelial surface and consequently limits activation of adaptive immune responses by the microbiota. The uncleaved form has bacteriostatic activity, whereas the cleaved form has bactericidal activity against <i>L.monocytogenes</i> and methicillin-resistant <i>S.aureus</i> . Regulates keratinocyte proliferation and differentiation after skin injury (By similarity).[UniProtKB/Swiss-Prot Function] |