

Product datasheet for **MC200804**

Rgn (NM_009060) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Rgn (NM_009060) Mouse Untagged Clone
Tag: Tag Free
Symbol: Rgn
Synonyms: A1265316; GNL; SMP30
Mammalian Cell Selection: Neomycin
Vector: PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection: Kanamycin (25 ug/mL)

Fully Sequenced ORF: >BC012710 sequence for NM_009060
 CCACGCGTCCGTGGAGTTTTTCTTTGTCTACTATTTTAAAGGTATCTTGAAAAAAAAAACTTCACTGT
 CCTTTTCTGTGACCATGTCTTCCATCAAAGTTGAATGTGTTTTACGGGAGAACTACAGGTGTTGGGAGT
 CTCTGTATGGGAGGAAGCGTCACAGTCGCTACTGTTTGTAGATATCCCTTCAAAGATTATTTGTGATG
 GGATACGGTCAGCAATCAAGTGCAGCGAGTTGCTGTGGATGCCCAAGTCAGTTCACTGGCACTTCGACAG
 TTGGGAGGCTATGTTGCCACCATTGGAACCAAGTCTGTGCTTTGAACTGGGAAAATCAATCAGTATTTG
 TCCTAGCCATGGTGGATGAAGATAAGAAAAATAATCGATTCAATGATGGGAAAGTGGATCCTGCTGGGAG
 ATACTTTGCTGGTACCATGGCTGAGGAAACGGCCCAAGCTGTTCTTGAGCGGCACCAAGGGTCTTTGTAC
 TCCCTCTTCTGATCACAGTGTGAAGAAATACTTTGACCAAGTGGATATCTCCAATGGTTTGGATTGGT
 CCCTGGACCATAAAATCTTCTACTACATTGACAGCCTGCCTACACTGTGGATGCCTTTGACTATGACCT
 ACAAACAGGACAGATTTCCAACCGCAGAATTGTTTACAAGATGGAAAAAGATGAACAAATCCCAGATGGA
 ATGTGCATTGATGCTGAGGGAAAGCTATGGGTGGCCTGTTACAATGGAGGAAGAGTAATTCGCCTGGATC
 CTGAGACAGGGAAAAGACTGCAAACTGTGAAGTTGCCTGTTGATAAAAACAACTTCATGCTGCTTTGGAGG
 GAAAGATTACTCTGAAATGTATGTGACCTGTGCCAGGGATGGGTTGAATGCTGAAGGCCTTTTGAGGCAG
 CCTGATGCTGGTAACATTTTCAAGATAACAGGTCTCGGAGTCAAAGGAATTGCCCATATTCCTATGCAG
 GGTGAAGTGCAGCTTCTCCTGTGTCAGAAGAAAAAGCTTTGAAGATAACTGAAGAAATTAAGGGACTGG
 AATCAATGAACTTTCAATTTAGTTTTTTTAAATGAGGTGGTGATATTATAGCATGGTTAAGCTTTAATTT
 ACATCTTTGATTGGGCTCGTTGAATAAACCTAGGGCATAGCATATTAATGAAGAGTGCATCCCTGGA
 TTCCCTTTTACAATTTTTTAAAGTGAAGATTTTCCCAAGAGATGACAAGTGGTTTTGACAACACA
 CTCTAGGCCTTCTATTAAGCAATTCTGTAGAAATGCAACAGGGAGTTCAACTATCAATCAGCCTGATG
 ATGGCAAATTGCTCTGGGGTTGAAATGGGACTGTGACCATTTCTTTTCTGTGTTCCATATTTGCTGCGC
 ATAAGGCTTCCAAAACAAATCAATGCATAGAACTTAATGATAATTTATAATGATTATGTGACTTTTCAT
 GTGTGTTATTTTACAACATAAACTACTGGCAGAAGATGTTATTCAAACCTGGGGCACAATCTGTGGTTC
 TAATTGCCACCTAGTGGCTATACAATAAATGCATCACATTGCAAAAAAAAAAAAAA

Restriction Sites: RsrII-NotI



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ACCN:	NM_009060
Insert Size:	900 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).
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:	BC012710 , AAH12710
RefSeq Size:	1598 bp
RefSeq ORF:	900 bp
Locus ID:	19733
UniProt ID:	Q64374
Cytogenetics:	X A1.3
Gene Summary:	Gluconolactonase with low activity towards other sugar lactones, including gulonolactone and galactonolactone. Catalyzes a key step in ascorbic acid (vitamin C) biosynthesis. Can also hydrolyze diisopropyl phosphorofluoridate and phenylacetate (in vitro). Calcium-binding protein. Modulates Ca(2+) signaling, and Ca(2+)-dependent cellular processes and enzyme activities (By similarity).[UniProtKB/Swiss-Prot Function]