

## Product datasheet for MC209312

### Ren1 (NM\_031192) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Ren1 (NM_031192) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Ren1
Synonyms:	D19352; Ren; Ren-1; Ren-A; Ren1c; Ren1d; Rn-1; Rnr
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>MC209312 representing NM_031192 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGGACAGAAGGAGGATGCCTCTCTGGGCACTCTTGTGTCTGGAGTCTTGCACCTTCAGTCTCCAA  
CACGCACCGCTACCTTTGAACGAATCCCGCTCAAGAAAATGCCTTCTGTCCGGAAATCTCGGAGGAGCG  
GGGAGTGGACATGACCAGGCTCAGTGTGAATGGGGCGTATTCACAAAGAGGCCTTCCTTGACCAATCTT  
ACCTCCCCCGTGGTCTCACCAACTACCTGAATACCCAGTACTACGGCGAGATTGGCATCGGTACCCAC  
CCCAGACCTTCAAAGTCATCTTTGACACGGTTACGCCAACCTCTGGGTGCCCTCCACCAAGTGCAGCCG  
CCTCTACCTTGTGTGGGATTACAGCCTCTATGAGTCTCTGACTCCTCCAGTACATGGAGAACGGG  
TCCGACTTACCATCCACTACGGATCAGGGAGAGTCAAAGGTTTCCTCAGCCAGGACTCGGTGACTGTGG  
GTGGAATCACTGTGACACAGACCTTTGGAGAGGTACCCGAGTGCCTGATCCCTTTATGCTGGCCAA  
GTTTGACGGTGTCTAGGCATGGGCTTTCCCGCTCAGGCCGTTGGCGGGTTACCCCTGTCTTTGACCAC  
ATTCTCTCCAGGGGTGCTAAAGGAGGAAGTGTCTGTCTACTACAACAGGGGTTCCACCTGCTGG  
GGGGCGAGGTGGTGTAGGAGGTAGCAGCCGAGCATTATCAAGGCAATTTTCACTATGTGAGCATCAG  
CAAGACTGACTCCTGGCAGATCACGATGAAGGGGTGTCTGTGGGTCTTCCACCCTGCTATGTGAAGAA  
GGCTGTGCGGTAGTGGTGGACACTGGTTCATCCTTTATCTCGGCTCCTACGAGCTCCCTGAAGTTGATCA  
TGCAAGCCCTGGGAGCCAAGGAGAAGAGAATAGAAGAATATGTTGTGAAGTGTAGCCAGGTGCCACCT  
CCCCGACATTTCTTTGACCTGGGAGGCAGGGCTACACACTCAGCAGTACGGACTACGTGCTACAGTAT  
CCCAACAGGAGAGACAAGCTGTGCACACTGGCTCTCCATGCCATGGACATCCACCACCCACTGGGCTG  
TCTGGGTCTGGGTGCCACCTTCATCCGCAAGTCTATACAGAGTTTGATCGGCATAACAATCGCATTGG  
ATTCGCCTTGGCCCGCTAA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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<b>Restriction Sites:</b>	Sgfl-Mlul
<b>ACCN:</b>	NM_031192
<b>Insert Size:</b>	1209 bp
<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_031192.3</a> , <a href="#">NP_112469.1</a>
<b>RefSeq Size:</b>	1423 bp
<b>RefSeq ORF:</b>	1209 bp
<b>Locus ID:</b>	19701
<b>UniProt ID:</b>	<a href="#">P06281</a>
<b>Cytogenetics:</b>	1 57.91 cM
<b>Gene Summary:</b>	Renin is a highly specific endopeptidase, whose only known function is to generate angiotensin I from angiotensinogen in the plasma, initiating a cascade of reactions that produce an elevation of blood pressure and increased sodium retention by the kidney. [UniProtKB/Swiss-Prot Function]