

## Product datasheet for RN211738

### Renbp (NM\_031095) Rat Untagged Clone

#### Product data:

|                      |   |
|----------------------|---|
| Product Type:        | Expression Plasmids   |
| Product Name:        | Renbp (NM_031095) Rat Untagged Clone  |
| Tag:                 | Tag Free  |
| Symbol:              | Renbp   |
| Vector:              | pCMV6-Entry (PS100001)  |
| E. coli Selection:   | Kanamycin (25 ug/mL)  |
| Cell Selection:      | Neomycin  |
| Fully Sequenced ORF: | >RN211738 representing NM_031095<br>Red=Cloning site Blue=ORF Orange=Stop codon |

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCCGCGATCGCC

ATGGAGAAGGAACGGGAGACACTGCAGGCTCTGGAAGCAACGTGTGGGACAAGAGCTCGATTCTGTGATCG  
CTTTCTGGATGGAGCATTCCCATGACCAGGAACACGGGGGCTTCTCACATGCCTTGGCCGCGATGGGCA  
GGTATATGATCACCTCAAATATGTCTGGCTGCAGGGGAGGCAGGTATGGATGATTGTGCTGTATACCGC  
ACTTTTGAGCGCTTCCGCGGTGTCGAGCTTCTGGATGCAGCAAAAGCAGGTGGTGAATTTTGTGAGTT  
ATGCCCGGTGGCACCGCCTGGCAAGAAATGTGCTTTTGTGCTGACCCAGGACGGCCGTCAGTGAAGGT  
GCAGCGGACCATTTTTCAGCGAGTCTTTTACACCATGGCCATGAATGAACTGTGGAAGTAAACAGGGGAA  
ATGCATTATCAGAGAGAAGCCGTAGAGATGATGGATCAGATCATCCACTGGGTAAGGGAGGACCCAGCTG  
GGCTGGGCCGGCCTCAGCTCTCGGGAACACTGGCCACAGAGCCCATGGCAGTGCCCATGATGCTGCTCAA  
CCTGGTGGAGCAGCTTGGAGAAGAAGATGAGGAGATGACCGACAAGTATGCAGAACTAGGGGACTGGTGT  
GCCATAGGATTCTTTCAGCATGTCCAGAGGGATGGACAAGTTGTACTGGAGAATGTATCAGAGGATGGCA  
AAGAGCTCCCTGGTTGCCTTGAAGACATCAGAACCCAGGCCACACACTGGAAGCTGGCTGGTTTCTGCT  
CCAGTATGCCCTCAGGAAAGGTGATCCCAAACCTCAAAGGCACATTATTGACAAGTTTCTTACTGCTCT  
TTCCACTCTGGATGGGACCCGTGACACGGAGGCCCTTCTTACTTCCAGGATGCTGATGATCTCTGCCCTA  
CCCAGCTGGAATGGAACATGAAGCTGTGGTGGCCACACACTGAAGCCATGATTGCCTTCCATGGGTTA  
CAGGGACAGCGGGGACCCAGCCTTGTGAACTCTTCTACCAAGTGGCTGAATACACCTTCCACCAGTTT  
CGTGATCTGAGTACGGGAAATGGTTTGGCTACCTGAACCAAGAGGGAAAGGTGGCCCTTACCATCAAAG  
GAGGTCCTTTAAAGGCTGCTTCCATGTGCCGCGGTGCTGGCCATGTGCGAGCAGATTTGGGAGCCCT  
ACTCCAACGCCTTGGGCCCGCCCCCTCGGCTCCTTGCCCGCTGTCCCCACTCGCGAAGGCTCGAAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI



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|                               |   |
|-------------------------------|---|
| <b>ACCN:</b>                  | NM_031095   |
| <b>Insert Size:</b>           | 1260 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_031095.1</a> , <a href="#">NP_112357.1</a>   |
| <b>RefSeq Size:</b>           | 1292 bp   |
| <b>RefSeq ORF:</b>            | 1260 bp   |
| <b>Locus ID:</b>              | 81759   |
| <b>UniProt ID:</b>            | <a href="#">P51607</a>  |
| <b>Cytogenetics:</b>          | Xq37  |
| <b>Gene Summary:</b>          | has N-acetyl-D-glucosamine 2-epimerase activity; inhibits renin activity [RGD, Feb 2006]  |