

## Product datasheet for RN217653

### Zfp831 (NM\_001171096) Rat Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Zfp831 (NM_001171096) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Zfp831
Synonyms:	RGD1307116; RGD1565819
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>RN217653 representing NM_001171096 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGAGACTTCAGAACCTACTCACCTCCCCCGTCGTCCACGGATCAGCAAGCCTCTGTACCTGGCATT  
CAGGGGGCCAGGTGGCAGGCCACCTCGCCTGACCCTGGGACCTGTCATCCTGCCACCGGAGCAGG  
CCTGGCCCAACTGTGTTCTTGAAGGCCTGGCCTGTCCATTATACCACACGGTACCTCCGGGGGCTC  
CAGCCACGTGCACCCCTGGTAACAGGCAGCCTGGAGGGGCTAGCGTACCCTTCATCCTCAGTCCCTTG  
TGCAGCCTGAAGGGCCAGTGCCACCCAGGTGGCAAGCCAGCTACCCAGCTCTGACTGTGAACATCGT  
AGGCACACTGCCTGTACTCTCCCAAGGTGTGGGTCCGCACTGGTCAGCAGGCAGGTAAGAGTACT  
GGTAAGTACCTGTGCCACACTGTGGCCGGACTGCTTGAAGCCAGTGTGCTGGAGAAACATCCGGT  
CCCACACAGGCGAGAGGCCCTTCCCGTGCCCACTGCGGCATCGCCTTAAAGACCCAGAGCAACCTGTA  
TAAACACAGGCGGACACAAACACATCTCAAACTCCCGCTTGTCTTGGAGTCTGAGGGGAGTGGGAGC  
AGCCTTCTGGAGGAGGGAGACAGGCCGGAGAGACTGCCTCAGTGGATAGTCGTGGAGATGAAGGAGTC  
CAGAGAGAGCCCTTCTCCAAGTGTCCACCCTACCCTTGTGCTCAGAACAGGAAAGGAAGGTGGACTC  
TCTCGGGCCACCCTTCTCACAGGAGGCCTCTGTGGATCAGACCCAGATGGTATCACCTGAGTTTCCA  
CTAGCCAGCCACAGCCTAGGCGAAGCTGCCAGAACCAAGCCAGGCTTCTGACAGCAGCAGGAGAGA  
CCTGTTACAGAAAGCCTTGGACCCAGGCCTTGGAGGGCCAGCTGAGGAAGTGTGAGAGCACAGACTC  
TGCTACCTGTACGCTCAGACAGTGTGGAGCAGCCCTGTGCTCTAGCCCTTGCATAGCCTATCG  
GAGCACAGCGGAGTCCGAGGGGGAAGGAGGCCCTGGCTGTTCTCCTCGGGCAACAGGGCGGAACAGG  
GAACACCAGGACCCAGCCTGGAGATAGAGAAGAAGAAGCTGGAGGAACGAATTGCCCTGCTCATCTCTCA  
CAACCAGGACAGTGTGGACGACCACAGTTGGACCATGTGCGGCCCGCAAGACTGTGCTATCTAAGCAG  
GGCAGCATCGACTTGCCATGCCATATACATAAAGATTCTTCCACTTTGACATCCGGGGCTGGAGC  
CCAGCCGAGAAGGTTGCCCTCAGTCCGGCCCTCTCCACCTTACACCCCTGAAAAAGGCCAGGCCTCT  
TTTTTCCACTCAGTCCCACGCAGCTCTCCACCACAGTGGAGTGTGCCCTGTACCAGAAGCAACTCG



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CTGCCTTCGTCGAGGGTCTAAGTTGTGGCCAGAGCCACCACGGGACTCACAGGACGCTGTTCCAGGGG  
 TGCAGAAGGCCCTGAGCCCCAGGCTCACCTCAGCCCGGCTGGGGTGCCGCCAGGACTGACCTTGCCAAG  
 CATCCCCAGTGGTCACCCCGGGCCCTGGTGAGACAGGCTGCTGTGGAGGACCTGCCATGTACGCCCACT  
 GGAGACCCTCCGCTGTAGCTGAGGACCCGGATGGAAAGAGAGCTGTGGCAAAGGAAGGTGTGGCGTACA  
 AGGGCAGAGCCAGTAAAAAGTGTAGCCAGAGGAAGCAAAGGATGTTCTCCAGGAGAAATGGCAAGTATA  
 TGGAAATGAGACCTTCAAGAGGATATACCAGAAAAATGAAGACCAACCACCAGGGAAGACAGAAACACAGA  
 GAGGTGAAGCCGGCCCAAGGGACAGAACTGGCCCTTCTCCTCCTCAGGAACAGATAGGAGGGAGTGAC  
 ATGCAGGCTGTCTCAAGACAATAGGATCCCTATCCTTGAGAGACTACAGCGGGGCTAAGCCGGGGTC  
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 CTCCAAGTGGGAAATGGACCTGGGACACCAGCTGCCTCAATGCCTGGGCTTGCCAAGGAAGAGACTT  
 AGAAGCTCTGAGACAGCTTACCAGACCCAAGTGGTGTAGTTATAAAAGAAACCAGCCCTGGGGTCCAA  
 ACTGTCTCAGGCGGTCCAGTGGTGGTCTGTGGCTCCACAGCTTGCAAGACAAGTTACCCTCAGAGA  
 GAAAGAGACTGAAGGTGGAGGGGCTGGACCATCAGGAGCAGCCAGGCGCTCTGAAAAGTGTAGACCTCAGG  
 AGGCTCTGTGCAGGCTGACCCCAAGCCATCCCAGAAACAGGACAGTACCCCTCGGGAAGTGTGGTTGC  
 TCAAAATAGAGTATCCTGCATGTGTCCACAGCCCCAGAGCCCTCAGATGTCTCTCAGCTGCTTCTGCTG  
 TTGCCCTGAGATGTTTAGGGCTAGAAGACCAGGATTCCCTATTGCCTTCTGTATCCAGGACTCCTGGACT  
 TCATTCCTGTGCTGCCAGCTCCAGGATCCTGGTGTCCCTACTGCTCAGTCAGGTGTATCCTTTGCT  
 CCCAAGTACCTCCTCAGGTTACCTCAAGGAGAAAAACCCCTTATCTCTGGTTGCTCCAGGGTCTGGAAAAG  
 GCTCAGACTCTCTGTGTACAAGTACACAGCCTGTAGAACAGGCCCTTCTTGTGGATCAGAACTGGGAAT  
 GCTCCAGCCACCTGGAGCATATTCAGGCTCAGGTGAGGCAGGGGGCAGCCCTAAGGACCTAGCTGGTCC  
 AAGTCAAGGGATGAAAAAGAAGAGGCACAGACAGGAAGAGAGAAAAGAGACAGGACCAGCGACAGCATCC  
 GAGGGACTAGACGCTCTCCTGACCCCAAGCAGCACCATCCAGGAGATAGCCTCCATTCTGTCTACCCA  
 CACCTGTGACATTACGTTGGCCCAAGGGGTAGTGAGTAAGGCCCATGCCATTCTTGCCTTGACACAGAC  
 AGCCCGCCAGCAAGAGCTAGGACATGTGGGAATCTCTTAAACCCTTGGACACCATCTCAGAACTGGGGA  
 CGCCTCTAAGAAATGCCGAGAAGGTCCTCCTTTAGAAACCAAGGAAGGGCTGCCACCTGCTTTCTATC  
 CCAAGCATACTATTTCTTACAACCTTCCAAAAGCCCCAGGCTATTTCCCTGAACCAGCAGAAAAGTGGCC  
 TTGTACACAGCTTAGGAAACCCAGGAGCGGTGAGGCCACAAGCTCCTTCCCGTCACTTAAAGGCTGAGC  
 CCCAGCTCACATGGTGTGCTTAAAGTGAAGCCTGCCCTGCCTGCAGAGCAGCAGGGCAGCTCCTGG  
 ACCTTGGCTTCACTCCCTGCCTAATAGAAACCTCCAGGGTACAGTAACAAAACATTGCCTGAGAGCAGG  
 AGTTTCTGGCAGAGGCCAAACGACTGTGCAAGCCACCCTGGTTGCCGAGAAGAAGCTGTCTCCCCACC  
 GACTTGAGGGGTGTATGGTAACAAAACATTCCCTCTTGCAAGGTCTAAAGTACAAGGAGAGCCATCTTG  
 TGCCAGCAAAGACTTGTCTGTTGATCGTAGGAACAAAGACGGGAAAGGTGACTGTAGTCAGACTTCAGGA  
 CCCACGTCTCCTGCTACAAAACCAAAACCATCTTGGAGACAGACAAATCAACTCTAAAGGATATTTCTC  
 CAGCTGCTGGTGAGCGCCATGACTGTTCTCAGGAGAAGGAGCATGCTGATGGGTTTGGACTATCTCTGCA  
 ATCTAATATGCTCTTGGCAGGGTTTTCAGGAAGATCTGCCTCAGGGCAAAGGTCTTGGTGTGAACCTCCA  
 GGAGCTCAGCTGCTATCTTCCAGGATCAAGTCTCCATAGTTCCCAACTGAGCTTCTCCTCAGATGTTCC  
 CACAGCTGCCTTCTTCTTTAGATCTAAGGAATATTTCCCAACCATGACATTGCTACCTCTGTGGCCGC  
 TATTTATGTTTTCTGAGGGGATAGGAACAGGGCACAAAACACTGGGGCCTCAGGTACAGAGTCTGTGCA  
 GAGGAGCCTCTGGCACGAAACTCCCAGACAGAAGAGCCACACCAGATAGCATACCACAGGTCTCCTGC  
 CAGGGAGGCTTTCGCTGGTAAGCAATCACCTGGGAAAACCTAGAAAATACAACCTTCAGTACCGAATTC  
 AGTCGGTTCACACCAGGAGGAAGCAAGAGCCAGGCAGATTTTCTTTATGGGGCAATACGGATGTGGG  
 GATCTGACCATCCAGGTGCTGCTTTCAGGAAGCGAGAGTGGGACTTGTCAAGCTGAAGGGTTAATTACCC  
 CCAAGACTGTACAGCTCCTTCTAACCAAGGACAACCCTCGGAAGTCCCGGAAGCCCGTTTGTAGATCCAT  
 CCGAAAGAGGAGTTTGAAGGAATGAGGAAGCAGACAGGCTGGAGCTCAGCGACACCAGCAGTGTATGAC  
 GAAGACAGACTGGTCATCGATATGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:

SgfI-MluI

ACCN:

NM\_001171096

<b>Insert Size:</b>	4647 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>OTI Annotation:</b>	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
<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>	<u><a href="#">NM_001171096.1</a>, <a href="#">NP_001164567.1</a></u>
<b>RefSeq Size:</b>	4802 bp
<b>RefSeq ORF:</b>	4647 bp
<b>Locus ID:</b>	100328908
<b>Cytogenetics:</b>	3q43