

## Product datasheet for **RN200602**

### **Dact2 (NM\_001107464) Rat Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Dact2 (NM_001107464) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Dact2
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >RN200602 representing NM\_001107464  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGTGGGCACCGAGCGGCCCGGGCCCGGGGCTGGGACCGCCGAGGGTGGCGCGCGACTACGAGCAG  
 CACTGGCGGGGCTGCAGGAGCTTCAGGGGCTGCGCGCCACGCAGCAAGCGAGTGGCGGGAGCCCTGGG  
 CCTGCACCCAGCGCCAGGGCCCCGCGGCCAGGAGCTGAGGCTGGAGGCGCGCTGGCCCGCTACGGGAG  
 CAGCTGTCACGGCTAAGGAGACAGGATGCTGGCCTGAAGACCCACTTGGACCAGCTGGACCAGCAGATAA  
 GTGAAGTGCAGCTGGATGTAAGCAGGTACCCTGCGAGGCCTTAGACAGTGACAGCAGGCCAGCTCAGG  
 TTTCTATGAGCTGAGTGATGCCGGTTCCTGCTCCCTGTCCACCTCTGTGCATCTGTCTGCAGCGACCGT  
 CTATCCCCCTCCCTGGGAAGCTGGCTGCCTGTGCTCCAGCCCTCAAGTCCAGGTCTGGCATGGGGGACT  
 GGGCACCCCGCTCTGCTGATGAGACCACTGTCCCTGCGTGGAGCCACAGCGCACAGAAGATAGCAGGCT  
 CCTGCATGGTGCAGAGGACACAGGTGCGCTGAGGGGCATGTTCCGGCCAGACCGGTGTCTACAGGGCAG  
 CTCGAGAGAGTCCCTCCAGCTGACACGGGGCTCCAGAATGCTGGCACTGATGCCTCATCCCTCCTATGCC  
 AGGGGATAGAGATCCCAGCCCATGCACTGGACCCCAAGTACCAGCGTGATCTGGTGGCCAGGGGAGGCCA  
 GGAGGTGTACCCGTATCCCAGCCCCCTCCATGCAGTGGCTCTGCAGAGCCCTCTTTTGTCTTGCCTAAA  
 GAAGTCCGTGTTTCGACATCTACTACCCCTGAGGAGCCCCCTCTGGTCCCTGCTGACCAGAACGGGA  
 CTCAGCCTGAGCCTGAGCCAGAGCCACCCGTGAGCTGGGCTCAGCCGAAGCCTACATCCACAGACTACT  
 GCGTCTGCGGGGCAAGAGCTCCCCCTGAGAGAGGTGGGCAGGAGCAGGGAGGAGACGCAGCTGCTTTT  
 CCACAGAAGTCTGTGGCCAGAGGTGAGCGGGATGGGTGAGTGGAGAAGCCAGCCTGTGGGGCTGACT  
 GGGGAGGAATGAAACCAAGTAGGGTGTGCAAGGACAGCCTCAGGCAACAGGGGCTGTGTCCCTTGT  
 GGGTACTGAGACCCTCAGCAGCCCCCTAAAGGAGGAAACCATACCTTGGAAATCCCTGTGTCCGTGGAGAC  
 AATACTGTTAGTTCCTCTCCCGCTCCAGATCCAGCAGCCTTACACTGACTGTGGCCAAGGGCCAGTCC  
 TATCACCATCAAGGGTGTGGGACCAGAAAGCCCGCTCTGGCCCCGTTCCCTTTGCTTACACATCCTC  
 CACTACTAATGAAACCTCCCCATTGAGGCTGAGGATGGGCTCTCCCCAAAACAAGCCATGAAGGTCAA  
 AGAAGAGTTAGCGAGAAAGTACCACGGCTGGGGAAGCAGCTCCCACCACAACCGGAGAAACAGCGGGCA  
 TTCATGCCGCGTGGTCCACAGAGCTGGACCCCTCCTCCAGACCCCGCAGGGAGGTCTCAATAGGAGACC  
 CACTGGCCAGAGACCTCCTGGACGCTCCTGCTCTGAGTCCACCTCTACCCTGTGCCCTCCTCGTC  
 CCCCTAGTGGTGACCCAGAGGAAAGTTACCCCGCTCATCCCAAGCTCTTTCCAATGGAGACAGCCC  
 TCCTCAGTCCCGAGCCAGGCGGAAGCAGCGCAGGTGGCAATCCACTATGGAGATCTCAGCTAAATCCCG  
 TTCGGTACGCCGACCTGGGCCAATTTGGGGCCCCCTAAGTCCCCAGCCAAGAGAACAGGTGGTCCCCGA  
 GCCCAGAGCAGGCCCTCGCTTGGCCGCCAGGATGCCTGTGCGAGGAGTGAGTACAGCCCTCAGAGCACT  
 CTGCAGAGTGGCCTCGTTATTTCACTCTACCATGCGGAAACCAGCGAGGACGAGGAGGCTAGCGACCA  
 CACTGCCAACCGCTTTGGGGACGAGTCCAGCAGTAACGATTGAGAAGACTGTGCCAGAGCAGCCGCCG  
 GGCCTGGCAATAGGCAGTGCAGAGGCTGCGCAAGGGGATGGGCTGGCCTCCGGTGGCACTCCAGCAGG  
 TCTCGCGAGCACAGGAGGCACAGGCCATCCCTGCCCTGTGCCAAACTGTGCCGATAAAGGCCCTC  
 CAAGGCCCTGAAGAAGAAGATCCGAAGGTTCCAGCCAGCAGCCCTGAAGGTCATGACCATGGT**GTGA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI

**ACCN:** NM\_001107464

**Insert Size:** 2307 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).

<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>NM_001107464.2, NP_001100934.2</u>
<b>RefSeq Size:</b>	2748 bp
<b>RefSeq ORF:</b>	2307 bp
<b>Locus ID:</b>	308212
<b>Cytogenetics:</b>	1q12