

## Product datasheet for **RN200528**

### Add2 (NM\_001109880) Rat Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Add2 (NM_001109880) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Add2
Synonyms:	beta-ADD
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >RN200528 representing NM\_001109880  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGAGTGAGGACACGGTCCCCGAGGCAGCCTACCGCCACCCTCTCAGGGGCAGCACTACTTTGACCGGT  
 TCTCTGAGGATGACCCTGAATACTTGCAGCTTCGCAACCGTGCAGCTGACCTGCGACAAGACTTCAACCT  
 GATGGAGCAGAAGAAACGGGTACCATGATCCTGCAGAGCCCTTCTTTCAGGGAGGAGCTGGAAGGCCTC  
 ATCCAGGAACAGATGAAGAAGGGTAACAACCTCCAACATCTGGGCCCTCCGACAGATCGCGGACTTCA  
 TGGCCAGCACCTCCACGCAGTCTCCAGCTTCTCCATGAACCTTCCATGATGACACCCATCAATGA  
 CCTCCACACTGCCGACTCCCTGAACCTGGCCAAGGGGAGAGGCTTATGCGGTGCAAGATCAGCAGTGTC  
 TACCGTCTTGGACCTCTATGGCTGGGCGCAGCTCAGCGACACCTATGTCAGCTGAGAGTGAGCAAGG  
 AGCAGGACCACTTCTGATCAGCCCCAAAGGGTTTCTGCAGTGAGGTACGGCATCCAGCCTGATTAA  
 GGTGAACATTCTAGGAGAGGTCTGGAGAAGGGCAGCAGTTGCTTCCAGTGGACACCACCGGCTTCACT  
 CTGCACTCAGCCATCTATGCGGCCAGGCCGACGTGCGGTGTGCCATCCACTGCACACGCTGCCACAG  
 CAGCGGTGTCAGCTATGAAGTGTGGCCTCTGCCTGTCTCCCATAAATGCCCTGCTGGTGGGGACATGGC  
 CTAATGACTTCAATGGGAAAATGGAGCAGGAAGCTGATCGAATCAACTTGCAGAAGTGCTTGGACCC  
 ACCTGCAAGATTCTGGTCTAAGAAACCATGGTATGGTCGCCCTGGGTGACACCGTGGAGGAAGCTTTCT  
 ACAAGGTCTTCCACCTGCAGGCTGCGTGTGAGGTACAGGTGTGCGCTCTGTCCAGCGTGGGGGGACCGA  
 GAACCTCATCTCTGGAGCAAGAGAACCCGCTCCGATGAGGTGGGCTCTGTGCAGTGGGCCGGCAGC  
 ACCTTTGGGCCCATGCAGAAGAGCCGGCTGGGAGAGCATGAATTTGAAGCCCTCATGAGGATGCTCGACA  
 ACTTAGGCTACAGAACAGGCTATACGTACCGCCACCCCTTCGTCCAAGAGAAAACCAACAAAAAGTGA  
 AGTGGAGATCCCAGCCAGGTCCTGCCTTTGTGTTTGAAGAGGATGGTGTCCAGTCCCTGCTTGGCGC  
 CAGCACGCCAAAAGCAGCAGAAGGAAAAGACCCGCTGGCTTAACACTCCAACACCTACCTGAGGGTGA  
 ATGTGGCCGACGAGGTGCAGAGGAACATGGGCAGTCCCCGACCGAAGACCACGTGGATGAAGGCTGATGA  
 AGTGGAAAAGTCCAGCAGCGCATGCCATACGGATTGAAAACCAACCAATTTGTGCCTCTTACACT  
 GACCCCAAGAAGTGTGGACATGAGGAACAAGATTCGAGAACAACCAAGACAAGATATAAAGTCAGCCG  
 GGCTCAGTCTCAGCTTGGCCAGCGTATCGCCGAGAAGAGCCGGAGTCCGTCTACAGAGAGCCAGCT  
 GCGTCCAAGGGGATGCAGATACCAAGATGAATTTGAGGAGACGGTGGCCAACCCCTTACGCCAACTC  
 ACTGACCAGGAGTGGAGGAGTACAAGAAGGAGGTGAAAAGGAAGAAGCTAGAACAGGAGCAAGAAGGGG  
 AGAAGGACGCAGCCACAGAGGAGCTGGTTCACCTGTAAGTCCACACCTGCGTCTCCTGTGCAGAGCCC  
 AACGAGGGCAGGGACCAAGAGTCCAGCGGTCTCTCCTTCCAAGGTTTCAAGGATGCCAAGAAGACAGAA  
 GTCAGCGAAGCCAACACAGAGCCTGAGCCAGAGAAACCAGAAGGGGTGGTGGTGAATGGGAAGGAGGAGG  
 AGCCGAGTGTGGAAGAGGTCTCAGCAAAGGACCGGGCCAGATGACTACCAATGCTGACACTGATGGCGA  
 CAGTTACAAGGACAAAACCGAGTCAGTTACCAGTGGCCCTTGTCCCAAGAGGGCTCGCCCTTAAGTCA  
 CCCTCCAAAAGAAAAGAAATTCGAACCCCTCCTTCTGAAGAAGAGCAAGAAGAAGGAGAAGGTGG  
 AATCC**TGA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI

**ACCN:** NM\_001109880

**Insert Size:** 2178 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_001109880.1, NP_001103350.1</u>
<b>RefSeq Size:</b>	2523 bp
<b>RefSeq ORF:</b>	2178 bp
<b>Locus ID:</b>	24171
<b>UniProt ID:</b>	<u>Q05764</u>
<b>Cytogenetics:</b>	4q34
<b>Gene Summary:</b>	plays a role in membrane ion transport; variation is associated with blood pressure variation in the Milan hypertensive strain [RGD, Feb 2006] Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (a).