

## Product datasheet for **RN201052**

### **Nipal2 (NM\_001130559) Rat Untagged Clone**

#### Product data:

|                           |                                                                                    |
|---------------------------|------------------------------------------------------------------------------------|
| Product Type:             | Expression Plasmids                                                                |
| Product Name:             | Nipal2 (NM_001130559) Rat Untagged Clone                                           |
| Tag:                      | Tag Free                                                                           |
| Symbol:                   | Nipal2                                                                             |
| Synonyms:                 | Npal2; RGD1564315                                                                  |
| Mammalian Cell Selection: | Neomycin                                                                           |
| Vector:                   | pCMV6-Entry (PS100001)                                                             |
| E. coli Selection:        | Kanamycin (25 ug/mL)                                                               |
| Fully Sequenced ORF:      | >RN201052 representing NM_001130559<br>Red=Cloning site Blue=ORF Orange=Stop codon |

TTTGTAAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGC**

ATGGCGTCGCGGCGCCACGGGCCGAGGACGATGCCTCGGCCGTCCTTGACGAGCTGTCTCGCAACT  
TCACATACTGGGCGCCAGGCCGAGCAACGGCTCGCTGTCGAGCGCCTGGTATCACAGAAACCAGATTCA  
CCTTTTGGAGTTCTGCTGGCCATTTAGGAAACCTGGTTATCAGCATTTCCCTAAATATCCAGAAATAT  
TCTCATCTTCATTTGGCCAGAAAGAGCACCCAAAGCCATACTTAAGAGTGTGCTTTGGCTGAGTGGAG  
TCCTGCTGATGGCCATAGGAGAGACTGGCAATTCGCAGCCTATGGGTTGCCCCATCACTCTGATCGC  
ACCACTGGGCTGCGTGTCAGTTACAGGTAGTGCCGTGATTTCTGTCAATTTCTAAAAGAAAACCTTAAGA  
GCCTCGGATTTACTGGGTATGACACTAGCATTTGCAGGAACATATTTATTGGTGAATTTTGTCCAAACA  
TCACCCAGGCTATCTCAGCAAGAACAATACAGTATTACTTTGTTGGCTGGCAGTTCTGGTCTATATGAT  
TCTAGAAATCCTAGTTTCTGCATCCTTCTGTATTTCCATAAGAGAAAAGGAAAGAAGCATATCGTGATC  
CTGCTCACCCCTGGTGGCACTCCTCGCCTCATTGACTGTGATTTCTGTGAAAGCTGTCTCAGGCATGATCA  
CTCTTTCCGTGACGGTAAATGCAGCTAACTTATGCCATCTTCTACATCATGCTTGTATCATGATAGC  
CTCTTGTGTTTTCCAAGTCAAGTTCTGAATCAAGCCACAGAGCTCTACACAATGACCACAGTGGTGCCA  
GTCAACCATGTTTTCTTTACAACCAGCGCTATCATCGCGGCATCATATTTTACCAGGAATTCCTGGTG  
TGCTTTTCTCACTGTATTTATATATCTTTTGGGTGCTTCTGTCACTTCTGGAGTATTTTATGTGAC  
AAGAAATAGAGAAAGGAATATCTACAACAATCTTTTATTGATTCGGAATATTCTGGGAAACAAATG  
TTGGACAAAATACAACCAGATTCAAATGGCTTATCCTATGGAAGCTTGCCTGATGGAGGCGACTCAACAA  
GGGCGCAGCGTCAGAGAAGAAAGCC**TAG**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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|                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|-------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Restriction Sites:</b>     | Sgfl-Mlul                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>ACCN:</b>                  | NM_001130559                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Insert Size:</b>           | 1152 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>                | <u>NM_001130559.1, NP_001124031.1</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>RefSeq Size:</b>           | 2200 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>RefSeq ORF:</b>            | 1152 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Locus ID:</b>              | 362899                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Cytogenetics:</b>          | 7q22                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |