

Product datasheet for MC211094

Nipal1 (NM_001081205) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Nipal1 (NM_001081205) Mouse Untagged Clone
Tag: Tag Free
Symbol: Nipal1
Synonyms: 3830408G10Rik; Npal1
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC211094 representing NM_001081205
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGGGGTACAGCTGAGGCTGCCACCCGGAGAGCCCTGCCATGAAGGGTATGACTGTGCTGGTCTGCT
 CCAACTCTCCCGGGCTTCGTGCGAGATCACAATGTGTCAGAGTCGCTGCCTTATCCTGTGCTACAC
 GAACCTGAATTCCTCTAAAACCAACTTCAGCATTTCAGCAAGGTAGAAAACAAATACAATCTGTATGTG
 GGCTTGGTATTGGCCATAAGCTCCAGCGTTTTTCATTGGCTCTAGTTTCATACTCAAAAAGAGGGTCTCT
 TGCAACTGGCCGACAAGGGCATACCAGAGCAGGGCAAGGTGGACATTCTTACCTCAAGGAATGGTTGTG
 GTGGGCAGGACTGCTGTCAATGGGAGCCGGAGAGGCTGCGAACTTCGCCGCTTATGCCTTTGCGCCTGCC
 ACCTTGGTCACCCCACTGGGGCTCTGAGCGTTCTCATAAGTGCAATATTGTCTTCTATTTTTAAATG
 AGCGCTTGAATATTCACGGGAAAATAGGCTGCATTTTAAGCGTATTGGGGTCAACTGTGATGGTTATCCA
 CGCCCCACAAGAGGGAGAAGTCACATCTTTCATGAAATGGAAATGAAATGAGAGATCCAGGGTTCGTT
 TCCTTTGCTGTGATCATCTCTGTGATCTCACTGGTGTGATTTTGATTGTGGCCCCAAGAAAGGACAGA
 CTAATATATTAGTCTATATCGCAATCTGCTCTTTGATTGGAGCGTTTTCCGTCTCTCTGTCAAAGGCTT
 GGGAAATTGCCATTAAGGAACTGCTGGAACGGAAGCCTGTTTACAAGGATCCCCTGTTCTTCACTGTTG
 ACCATGCTTGCACTTTCCGTGACCACCCAGATTAACATCTCAACAAGGCCCTGGACACTTTCAACACAT
 CCCTGGTGACTCCATTTATTACGTGTTCTTACATCCATGGTGGTAACTTGTCTGCCATCCTGTTCCA
 GGAGTGGTATGGCATGAAAGCTGGAGATATCATCGGTACCCTGAGCGGGTTCTTACCATCATCAATGGC
 ATCTTCTCTACATGCTTTTAAAAACCAACATCACCTGGAGTGAACATGTCTACTGCTAAGAAA
 AAGCCCTTTCTCAAATGGCAATCAGAACGTTATGTTTTACTAGAGAACGCAGACTTCTCAGCCTCTGG
 GTATGATGACGACATCACCTGTTTAGCAGGACCAATGACCAAAGTAGCCATAAACTTTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA



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Restriction Sites:	Sgfl-Mlul
ACCN:	NM_001081205
Insert Size:	1251 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).
Components:	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).
Reconstitution Method:	<ol style="list-style-type: none">1. Centrifuge at 5,000xg for 5min.2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.3. Close the tube and incubate for 10 minutes at room temperature.4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.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.
RefSeq:	<u>NM_001081205.1</u> , <u>NP_001074674.1</u>
RefSeq Size:	4205 bp
RefSeq ORF:	1251 bp
Locus ID:	70701
UniProt ID:	<u>Q8BMW7</u>
Cytogenetics:	5 C3.2
Gene Summary:	Acts as a Mg(2+) transporter. Can also transport other divalent cations such as Fe(2+), Sr(2+), Ba(2+), Mn(2+), Cu(2+) and Co(2+) but to a much less extent than Mg(2+).[UniProtKB/Swiss-Prot Function]