

Product datasheet for MC212601

Nipal4 (NM_172524) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
 Product Name: Nipal4 (NM_172524) Mouse Untagged Clone
 Tag: Tag Free
 Symbol: Nipal4
 Synonyms: 9530066K23Rik
 Vector: pCMV6-Entry (PS100001)
 E. coli Selection: Kanamycin (25 ug/mL)
 Cell Selection: Neomycin
 Fully Sequenced ORF: >MC212601 representing NM_172524
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGAGCTGCGGGTCGCCAACGCCAATGGCAGCTGCGAGAACGGCTCCATAGTCAGCCTCTACTGCTCCT
 CTCAGGAGGTCTCTGTGATCGTGTGAGAGGCATCAGTCCTGAAGAGCCCTACAATGCCACCTTGATCAC
 CTGGCAAGAGAGGGTCAGGAAGAAGTATGGCTTCTACATCGGTGTGGCCCTCGCCTTCTCTCTGCTTC
 TCATCGGCACCAAGTGTATCCTTAAGAAGAAAGGCCTCATTGCGCTTGTGGCCACAGGGGCCACAAGGG
 CAGTGAATGGAGGCTACGGCTACCTGAAGGACCAATGTGGTGGGCTGGAATGGTACCATGTCTGCTGG
 AGAAGTTGCCAATTCGGGGCCTATGCATTTGCACCTGCGACGGTTGTCACACCGCTGGGAGCACTGAGC
 GTCCTCATAAGTGCCATCTTTCTCTACTGCCTGGGAGAGAGCCTGAATCTACTGGGGAACTGGGCT
 GTGTGATCTGTATGGCTGGCAGCACAGTGTGTCATACATGCCCCAAAGAGGAGAAGTCACTGTCCTGTC
 TGCAGAGATGGCTTCCAAGATGAAAGACACAGGGTTTCATCGTCTTTGCTGCTCTTCTGGTGGTGTCTTG
 CTCATCCTCATCTTCATGTTGCCACGTTACGGGCAAAGGAATCCTCATTACATCATCATCTGCT
 CCGTGATCGGATCCTTCTCCGTGACTGCCGTCAAGGGGCTTGGTGTACCATTAGGAATCTTCCAGGG
 CTTACCAGTTGTGCGGCACCCTCTCCCTTACATCCTGTCCTCATCCTGGGTCTTTCTATCATATCCAG
 GTCAACTTCTCAACAGGGCACTGGATATTTTCAACACCTCATTGGTCTTCCCCATCTACTACGTTTTCT
 TCACCACGGTGGTGGTGGCCTCCTCCATCGTCCTTTCAAGGAGTGGTATACCATGTCTGCTGTGGACAT
 TGTGGGCACCCTGTCTGGCTTCTGACCATCATCCTGGGTGTTTTATGCTTACGCTTTCAAGGATTTG
 GACATCAACCAAATCAGCTTGGCCACACGCACAAAAACCAACTCCAGCTCCCGCCCCAGAGCCACAG
 TCATTAAGTGAAGACAAGAATGTCCTTGTAGATAACATAGAATTGCCAGCACACCATACCCCAACA
 GAAGCCCAAAGTATTTATGACCGATTCT**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA



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Restriction Sites:	Sgfl-Mlul
ACCN:	NM_172524
Insert Size:	1221 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:	NM_172524.3 , NP_766112.1
RefSeq Size:	3295 bp
RefSeq ORF:	1221 bp
Locus ID:	214112
UniProt ID:	Q8BZF2
Cytogenetics:	11 B1.1
Gene Summary:	Acts as a Mg(2+) transporter. Can also transport other divalent cations such as Ba(2+), Mn(2+), Sr(2+) and Co(2+) but to a much less extent than Mg(2+). May be a receptor for ligands (trioxilins A3 and B3) from the hepoxilin pathway (By similarity).[UniProtKB/Swiss-Prot Function]