

Product datasheet for RN204042

Npc111 (NM_001002025) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Npc111 (NM_001002025) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Npc111
Synonyms:	SLC66A2
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>RN204042 representing NM_001002025 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGC**C

ATGGCAGCTGCCTGGCTGGGATGGCTGCTCTGGGCCCTGCTCCTGAGCGCGGCCAGGGTGAGCTATACA
CACCCAAACACGAAGCTGGGGTCTGCACCTTTACGAAGAGTGCGGGAAAAACCCAGAGCTCTCTGGAGG
CCTCAGTCACTATCCAATGTATCCTGCCTGTCTAACACCCCGGCCCGCCAGTCAAGGGTGAACACCTG
GCTCTTCCAGCGCATCTGTCCCGCCTGTACAACGGCCCAATACCCTTTTGCTGTGCTCTACCA
AGCAGCTGCTGTCTTAGAAAGCAGCATGTCCATACCAAGGCCCTTCTACGCGCTGCCGGCCTGCTC
TGACAATTTGTGAGCTTACACTGCCACAACACTTGCAGCCCTGACCAGAGCCTCTTATCAACGTCACC
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CCAGGACATCTGCTATGCCCCCTCAACCCATATAACACCAGCCTCTCCGACTGTGTGTCAACAGCCTC
CTTCAGTACTTCCAGAACAACCGCACCTCCTGATGCTCAGGCCAACAGACTCTGAATGGCCAGACT



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CCCTGGTGGACTGGAAGGACCATTTCTCTACTGTGCAAATGCCCTCTCACGTTCAAAGATGGCACGTC
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CCACAGCGGAACAGTTTACATAAGTACCTGCCCTGGTTCCTGAATGATCCGCCAATATCAGATGTCCCAA
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TCTAA
    
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ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_001002025
- Insert Size:** 3996 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:

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_001002025.1](#), [NP_001002025.1](#)

RefSeq Size: 4484 bp

RefSeq ORF: 3996 bp

Locus ID: 432367

UniProt ID: [Q6T3U3](#)

Cytogenetics: 14q21

Gene Summary: mouse homolog plays a role in intestinal cholesterol absorption [RGD, Feb 2006]