

Product datasheet for **RN203441**

Npl (NM_001013984) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Npl (NM_001013984) Rat Untagged Clone
Tag: Tag Free
Symbol: Npl
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >RN203441 representing NM_001013984
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCCTTCCCTAAGAAGAACTCCAGGGTCTTGTGCTGCCACCATCACTCCAATGACAGAGAATGGAG
AAATCAACTTTCCTGTCATTGGTCAGTATGTGGATTACTTGGTGAAGGAACAGGGAGTGAAGAACATTTT
CGTGAACGGCACCACGGGAGAAGGCTGTCCCTGAGCATCTCGAACGTCGCCAGGTCGAGAGGAATGG
GTTTCGTC AAGGGAAGAACAAGTTGGACCAAGTGGTATTACGTCGGGAGCACTAAACTTGAAGGAGTCAC
AAGAAGCTGGCCCAACATGCAGCAGAAATTGGAGCTGATGGCATTGCTGTATTGCCCTTTCTTTTTCAA
GTCACAGAAACAAAGATGCCCTGATAAGTTTCTGAGGGAGGTGGCTGCCGAGCCCTGCTTTGCCATTT
TACTACTATCACATCCCCTCACTGACCGGGTGAAGATTCTGTGCTGAGGAGCTGCTCGACGGGATTCAGG
ATAAGATCCCCTCCTTTCAAGGACTGAAGTTCAGTGACACTGACCTTTAGATTTTCGGCCAGTGTGTCGA
TCAGAATCACCAGCGACAGTTTGTCTTGTGTTCCGGGTGGACGAGCAACTGTTGAGTGTCTGGTCTGT
GGAGCAACTGGAGCAGTAGGCAGTACCTATAACTACCTGGGAAAAAGACAAACCAGATGTTGGAGGCTT
TTGAACAGAAGGACTTGGCGTCAGCACTAAGTTACCAGTTCGGCATCCAGAGATTTATCAACTACGTGAT
CAAGCTAGGTTTTGGAGTGTGCGAGACCAAGCCATCATGACCCTGGTCTCTGGGATTC AATGGGCCCA
CCCCGGCTTCTCTGCAGAAAGCCACCCAGGAGTTTACTGCTAATGCTGAGGCCAAGCTGAAGAGCCTGA
ATTTCTTTCTTTCCCTGGTTTAAAGGATGGGAACATGGAAGCCTGTAGCTAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001013984
Insert Size: 963 bp



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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_001013984.1</u> , <u>NP_001014006.1</u>
RefSeq Size:	2498 bp
RefSeq ORF:	963 bp
Locus ID:	304860
UniProt ID:	<u>Q66H59</u>
Cytogenetics:	13q21
Gene Summary:	Catalyzes the cleavage of N-acetylneuraminic acid (sialic acid) to form pyruvate and N-acetylmannosamine via a Schiff base intermediate. It prevents sialic acids from being recycled and returning to the cell surface. Involved in the N-glycolylneuraminic acid (Neu5Gc) degradation pathway (By similarity).[UniProtKB/Swiss-Prot Function]