

Product datasheet for **RR203441**

Npl (NM_001013984) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Npl (NM_001013984) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Npl
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RR203441 representing NM_001013984 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCCTTCCTAAGAAGAACTCCAGGGTCTTGTGCTGCCACCATCACTCCAATGACAGAGAATGGAG
AAATCAACTTTCCTGTCATTGGTCAGTATGTGGATTACTTGGTGAAGGAACAGGGAGTGAAGAACATTTT
CGTGAACGGCACCCAGGAGAAGCCGTCCCTGAGCATCTCGAACGTCGCCAGGTCGAGAGGAATGG
GTTTCGTC AAGGGAAGAACAAGTTGGACCAAGTGGTGATTACGTCGGGAGCACTAAACTTGAAGGAGTCAC
AAGAAGCTGGCCCAACATGCAGCAGAAATTTGGAGCTGATGGCATTGCTGTCATTGCGCCTTCTTTTTCAA
GTCACAGAAACAAAGATGCCCTGATAAGTTTCTGAGGGAGGTGGCTGCCGAGCCCTGCTTTGCCATTT
TACTACTATCACATCCCCTCACTGACCGGGGTGAAGATTCTGTGCTGAGGAGCTGCTCGACGGGATTCAGG
ATAAGATCCCCTCCTTTCAAGGACTGAAGTTCAGTGACACTGACCTTTAGATTTTCGCCAGTGTGTCGA
TCAGAATCACCAGCGACAGTTTGTCTTGTGTTTCGGGGTGGACGAGCAACTGTTGAGTGTCTGGTCTGT
GGAGCAACTGGAGCAGTAGGCAGTACCTATAACTACCTGGGAAAAAGACAAACCAGATGTTGGAGGCTT
TTGAACAGAAGGACTTGGCGTCAGCACTAAGTTACCAGTTCGGCATCCAGAGATTTATCAACTACGTGAT
CAAGCTAGGTTTTGGAGTGTGCGAGACCAAGCCATCATGACCCTGGTCTCTGGGATTC CAATGGGCCCA
CCCCGGCTTCTCTGCAGAAAGCCACCCAGGAGTTTACTGCTAATGCTGAGGCCAAGCTGAAGAGCCTGA
ATTTCTTTCTTTCCCTGGTTTAAAGGATGGGAACATGGAAGCCTGTAGC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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ORF Size:	960 bp
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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_001013984.1 , NP_001014006.1
RefSeq Size:	2498 bp
RefSeq ORF:	963 bp
Locus ID:	304860
UniProt ID:	Q66H59
Cytogenetics:	13q21
MW:	35.1 kDa
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]