

Product datasheet for MC201623

Npl (NM_028749) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Npl (NM_028749) Mouse Untagged Clone
Tag: Tag Free
Symbol: Npl
Synonyms: 0610033B02Rik
Mammalian Cell Selection: Neomycin
Vector: PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection: Kanamycin (25 ug/mL)

Fully Sequenced ORF: >BC022734 sequence for NM_028749
 CGCGTCTCCAGTGCACAGCAGCCTAGGTGAGCGCGGCCACCGAGCAGAGGAGTGAAGTCAGACCTTCC
 AGCAACCCGATGGCCTTCCCTAAGAAGAACTCCGGGGTCTTGTGCTGCCACCATCACTCCAATGACAG
 AGAATGGAGAAATCAACTTTCCTGTCATTGGTCAGTATGTGGATTACCTGGTGAAGGAACAGGGGGTGAA
 GAATATTTTTGTGAATGGCACCACAGGAGAAGGCTGTCCCTGAGCGTCTCTGAACGTCGCCAGGTGCGG
 GAGGAATGGGTTAACCAAGGGAGGAACAAGTTGGACCAGGTGGTATTACGTGGGAGCACTAAACGTGA
 AGGAGTCACAAGAACTGGCCCAACATGCAGCAGAAATTGGAGCTGATGGCATTGCTGTCATTGCGCCTTT
 CTTTTTCAAGTCACAGAACAAGATGCCCTGATAAGCTTCTGAGAGAGGTGGCAGCCGAGCTCCTACT
 TTGCCATTTTACTACCACATGCCTTCCATGACCGGGTAAAGATTCGCGCTGAGGAGCTGCTGGACG
 GGATTCAGGACAAGATCCCCACCTTCCAAGGACTGAAGTTCACCGACACGGACCTTTGGATTTGCGCCA
 ATGTGTCGATCAGAATCACCAGCGACAGTTTGCTTTGCTCTTTGGGGTGGACGAACAACCTGCTGAGTGT
 CTGGTCATGGGAGCCACTGGAGCAGTAGGCAGTACCTATAACTACCTGGGAAAAAGACAAACCAGATGT
 TGAAGCTTTTGAACAGAAGGACTTGGCTTACGCGCTCAGTTACCAAGTTTCGTATCCAGAGATTTATCAA
 CTATGTGATCAAGCTAGGTTTTGGAGTGTGCGAAACCAAGCCATCATGACGCTGGTCTCTGGGATTCCA
 ATGGGCCACCCCGGCTTCTCTGCAGAAAGCCACCCAGGAGTTTACTGCTAAGGCTGAGGCCAAGCTAA
 AGAGCCTGGATTTCTTTCTCCCTAGTGTAAAGGAGGGGAAGCCTTTAGCTAGTGCCTGATAAGTCTG
 GGTGTGAAGCTTAGACTTATCTATCTTCAATAGTACATTTCTTTCTCAGGGACTTTTTAGGTGAATTT
 GAACCCATCTTTATTTAGGAAGTAGAATCCCACACCAATCAAATATTGATTATGAACCTAACTTTTTT
 GTTATAAAGGAGTCACAAGCTCTAAGTCATTTGTAATAATTATTATAGAGAAATCTCTACTTATAC
 AGATGCAATGGAACCAAGTGAATAATTGTAATAGTAATTACAATTAATTAATTACATTAATTAATATA
 ATTCATATCACTATATTAATTGCTACATTGGTTATATTATTGCTGAATAAATTTACCTGCCTTTTGGGA
 AA

Restriction Sites: RsrII-NotI
ACCN: NM_028749
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>BC022734</u> , <u>AAH22734</u> |
| RefSeq Size: | 1439 bp |
| RefSeq ORF: | 963 bp |
| Locus ID: | 74091 |
| UniProt ID: | <u>Q9DCJ9</u> |
| Cytogenetics: | 1 G3 |
| 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.[UniProtKB/Swiss-Prot Function] |