

Product datasheet for **RN202388**

Nanp (NM_001009409) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Nanp (NM_001009409) Rat Untagged Clone
Tag: Tag Free
Symbol: Nanp
Synonyms: Hdhd4; RGD1306009
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >RN202388 representing NM_001009409
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGGGCTGAGTCGGGTCGGCGGGTCTTCTTTGACCTGGACAACACTCATCGACACGGCCGGGGCGA
GCAGGAGAGGCATGTTGGAGGTAATAAAGCTCTTACAATCAAAATACCACTACAAAGAAGAGGCTGAAGT
CATCTGCGATAAAGTTCAAGTAACTGAGCAAGGAGTGCTTTCATCCCTATAGTACATGCATTACAGAT
GTGAGGACTTCGCACTGGGAAGAAGCAATCCAGGAAACCAAGGTGGTCCGACAATAGGAAATTGGCTG
AGGAATGTTATTTCTGTGGAAATCTACACGCTTACAGCACATGACCCTAGAAGAAGATGTCAAAGCCAT
GCTCACTGAACCTCGTAAAGAGGTCCGCCTACTCTTGTTAACAACGGTGACAGACAGACACAGAGGGAA
AAGATCGAGGCTTGTGCCTGCCAGTCTTACTTTGATGCCATTGTTGTAGGAGGAGAACAGAAGGAAGAGA
AACCAGCACCTCCATATTTTATCACTGCTGTGATCTTCTTGGAGTGCAGCCAGGGGACTGTGTGATGGT
TGGTGACACACTAGAAACCGATATACAAGGAGGCTGAATGCAGGACTGAAAGCCACGGTCTGGATAAAC
AAGAGTGGAGGAGTGCCACTGACATCGTCCCCATGCCTCACTATATGGTTTCTCTGTGTTAGAATTAC
CTGCTCTCTTGCAAAGCATAGATTGCAAAGTCAGCATGTCTGT**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001009409
Insert Size: 747 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_001009409.1</u> , <u>NP_001009409.1</u>
RefSeq Size:	1335 bp
RefSeq ORF:	747 bp
Locus ID:	311530
UniProt ID:	<u>Q5M969</u>
Cytogenetics:	3q41
Gene Summary:	The protein encoded by this gene is an enzyme involved in the synthesis of N-acetylneuraminic acid (Neu5Ac), the main form of sialic acid. [provided by RefSeq, Jul 2008]