

Product datasheet for **RR207184**

Nth1 (NM_001105728) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Nth1 (NM_001105728) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Nth1
Synonyms: Nth1
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR207184 representing NM_001105728
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGA**ACTCGGGTTGCGGATAGTGACTCGCAGTCGGAGCCGCGGACTAGGATCGCGTCGGAAGGGTGT**
GGGAGGAGCTCGCCCCGCGAGAGACTGCTGCAGAAGGAAGAAAAAGCCACAAGCCTGTGAGACGTCCACG
GAAGAAACAGAAAGTACATGTGGCCTATGAGGTTGCTAACGGTGAGGAAGGTGAAGATGTGAACCCCTC
AAAGTGCCAGTTTGGGAGCCCCAAAAGTGGCAGCAGCAACTGGCCAACATCCGAATCATGAGAAGCAAGA
AGGACGCACCTGTGGACCAGCTGGGCGCTGAGCAGTGCTATGATCACTGCCCCCCAAAGGTGAGGAG
GTACCAGGTA**CTTGTGCGTGATGCTGTCCAGCCAGACCAAGACCAGGTTACAGCGGGTGCCATGCAG**
CGGCTACGGGCCCGGGGCTT**GACTGTGGAAAGTATCCTGCAGACCGATGATGACTTGCTGGGCAGACTCA**
TCTACCCCGTGGGCTTCTGGAGGAGCAAGGTA**AAATTCATCAAGCAGACGACTGCCATCCTGCAGCAGCG**
CTATGAAGGGGACATCCCTGCTTCTGTGGCAGAGCTGGTAGCCTTGCAGGTGTTGGGCCAAGATGGCA
CACTTGGCTATGGCTGTGGCCTGGGGACCGTATCAGGCATAGCAGTGGACACACATGTGCACAGAATAG
CCAACAGACTGAAGTGGACCAAGAAGATGACCAAGTCCCAGAGGAGACACGTAGGAACCTGGAAGAGTG
GCTACCCAGGGTCTATGGAGTGAGATCAATGGACTACTGGTGGGCTTCGGCCAACAGATTTGCCTTCT
GTCCATCCACGATGCCAGGCCTGCCTCAACAAGGCCCTGTGCTCTGCTGCCAGGGTCTC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR207184 representing NM_001105728
 Red=Cloning site Green=Tags(s)

MNSGLRIVTRSRSRATRIASEGCREELAPRETAAEGRKSHKPVRRPRKKQKVHVAYEVANGEEGEDAEPL
 KVPVWEPQNWQQQLANIRIMRSKKDAPVDQLGAEQCYDITAPPKVRRYQVLLSLMLSSQTKDQVTAGAMQ
 RLRARGLTVESILQTDLLGRLIYPVGFWRSKVKFIKQTTAILQQRVEGDIPASVAELVALPGVGPKMA
 HLAMAVAWGTVSGIAVDTHVHRIANRLKWTKKMTKSPEETRRNLEEWLPRVLWSEINGLLVFGGQICLP
 VHPRCQACLNKALCPAAQGL

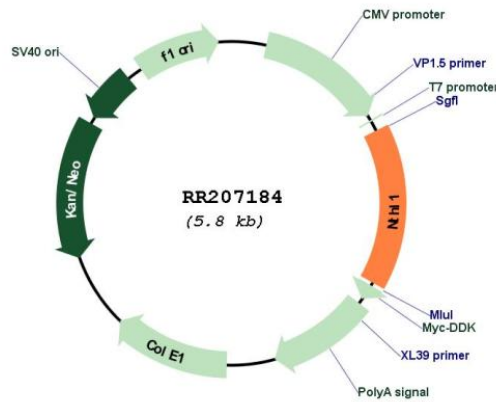
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001105728

ORF Size: 900 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_001105728.1 , NP_001099198.1
RefSeq Size:	1084 bp
RefSeq ORF:	903 bp
Locus ID:	29541
Cytogenetics:	10q12
MW:	33.6 kDa