

Product datasheet for **RR204262**

Neu3 (NM_054010) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Neu3 (NM_054010) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Neu3
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RR204262 representing NM_054010 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAAGAAGTTTCATCCTGCTCCCTCCGAGCACTCTGTTCCAGCAGGAAGAACAACAGGATTACCT
ACCGGATCCCAGCACTGCTGTACATTCTCCACCCACACCTTCTGGCCTTCGAGAGATGCGTACCTC
AAGCAGAGATGAGGATGCTGTCTACCTGGTGTTCAGACGAGGGGTGATGAAGGGGTGCTCTGTTGAGTGG
GGCCCCAACAGCCACTGATGGAGGCCACATTACCTGGGCATCGACCATGAGCCCTGCCCTGTGTGGG
AGAAGAATACTGGCCGTGTATACCTGTTTTTCATCTGCGTGCAGGGCCATGTTAGTGAGCGCTGGCAGCT
TCTGTGGGGCAGGAATGCTGCCGTCTCTGCTTCTTTACAGTGAGGACTCTGGGTGCTCGTGGGGTAA
GTGAAAGATTTGACTGAGGAAGTCGTTGGCTCAGAGATGAAGCACTGGGCCACGTTTGTGTGGGCCAG
GTCATGGCATCCAGCTGCAGTCGGGGAGGCTGCTCATTCCCGCCTATGCCTACTTGATATCATGCTGTT
TCTCTGCTTCCATGTTCAAGCCCCATTCCCTAATGTTCTACAGTGATGACTTAGGAGTCACATGG
CACTGTGGCAAGTTCATTAAGCCCCAGGTGACAGGGGAGTGCCAAGTGGCAGAAGTGCCTGGGAAGGCTG
GTAACTTGTGCTCTACTGCAGTGCCCGAACCAACAATTCGAGCAGAGGCTTTTAGCACTGATAG
TGGTGACTGCTTTCAGAAACCAACCCTGAACCAACAACCTGCGAGCCTCGTGGTGGCTGCCAAGGTAGT
GTAGTGAGCACCCGGCCTTTGAAGATGCCATACACATGTCAAGACTCAAGTGGTAAAGATGTTCCCTCTA
CTCAGAAATGCCCTCTGATGGACAGATCTCTGGAGGTGGAGGAAGGAGCTGGAGCACCATCAGGGACATG
GCTCTTGTACTCACATCCAACAAAGAAGAAGAAATGAACCTAGGCATCTACTACAACCAAAACCCC
TTGGAGGTGAACTACTGGTCCC GCCCGTGGATCTTGAACCGTGGGCCAGTGGCTACTCTGACCTGGCTG
TGGTAGAAGGACAGGGCTTGTTCGCGTCTTATTTGAGTGTGGGGAGAGGCATGAGGATGAGAAGATTGA
CTTTTGTCTGTTTTAGACCAAGAGGTCTGAGCTGTGACGACTGTACCAGCCCTAGTAGCAAC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR204262 representing NM_054010
Red=Cloning site Green=Tags(s)

MEEVSSCSLRSTLFQEEQNRITYRIPALLYIPPTHTFLAFAEMRTSSRDEDAVYLVFRRGVMKGCVVEW
 GPQQLMEATLPGHRTMSPCPVWEKNTGRVYLFFICVQGHVSRWQLLWGRNAARLCFLYSEDSGCSWGE
 VKDLTEEVVVGSEMKHWATFVAVGPHGIQLQSGRLLIPAYAYLISCVFLCFPCSVKPHSLMFYSDDLGVTV
 HCGKFIKPQVTGECQVAEVPKAGNLVLYCSARTPNKFRAEAFSTDSGDCFKKPTLNQQLCEPRGGCQGS
 VVSTRPLKMPYTCQDSSGKDVSTQKCPMLDRSLEVEEGAGAPSGTWLLYSHPTNKKRMNLGIYYNQNP
 LEVNYWSRPWILNRGPSGYSDLAVVEGQGLFACLFECGERHEDEKIDFCLFSDQEVLSDDCTSPSSN

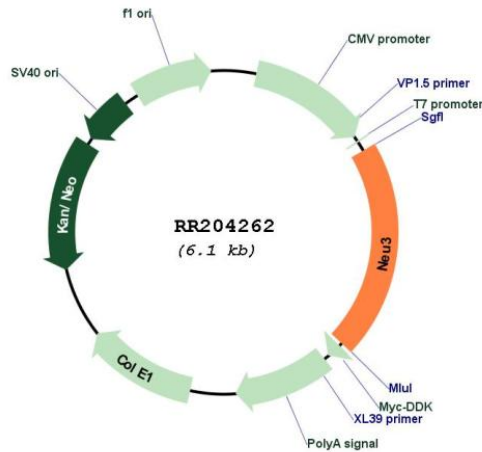
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_054010

ORF Size:	1254 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_054010.1 , NP_446462.1
RefSeq Size:	2307 bp
RefSeq ORF:	1257 bp
Locus ID:	117185
UniProt ID:	Q99PW5
Cytogenetics:	1q32
MW:	47 kDa
Gene Summary:	enzyme that cleaves sialic acid from glycoproteins and glycolipids [RGD, Feb 2006]