

Product datasheet for MR223297

Neu3 (NM_016720) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Neu3 (NM_016720) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Neu3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR223297 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAGGAAGTCCCACCCTACTCCCTCAGCAGCACCCCTGTTCCAGCAGGAAGAACAGAGTGGGGTGACCT
ACCGGATCCCAGCCCTGCTGTACCTTCTCCCACCACACCTTCTGGCCTTTCAGAGAAGCGGACCTC
AGTCAGAGATGAGGATGCTGCCTGCCTGGTGCTCAGACGAGGGCTGATGAAGGGGCGCTCTGTACAGTGG
GGCCCCAACGGCTACTGATGGAGGCCACATTACCTGGGCATCGCACCATGAACCCCTGCCCTGTGTGGG
AGAAAAATACTGGCCGTGTACCTGTTTTTCATCTGTGTGCGGGGCCATGTTACTGAGAGGTGCCAGAT
TGTGTGGGGCAAAAATGCCGCCGCTCTCTGCTTCTTTGCAAGTGAAGATGCCGGCTGCTCTTGGGGTGAA
GTGAAAGACTTGACCGAGGAGGTCATTGGCTCAGAGGTGAAGCGCTGGGCCACATTTGCTGTGGGCCAG
GTCATGGCATCCAGCTACACTCGGAAGGCTGATCATCCCCGCTATGCCTACTATGTCTCACGTTGGTT
TCTCTGCTTTGCGTGTTCAAGCCCCATTCCCTGATGATCTACAGTATGACTTTGGAGTACATGG
CACCATGGCAAGTTCATTGAGCCCCAGGTGACAGGGGAGTGCCAAGTGGCCGAAGTGGTGGGACGGCTG
GTAACCCGTGTCTACTGCAGTGCCCGAACCAAGCCGATTCGAGCAGAGGCTTTTAGTACTGATAG
TGGTGGCTGCTTTCAGAAGCCAACCCTGAACCCACAACCCATGAGCCTCGAACCCGCTGCCAAGGTAGT
GTAGTGAAGTCCGGCCTTTGAAGATGCCAAATACCTATCAAGACTCAATTGGCAAAGGTGCTCCCGCTA
CTCAGAAGTGCCTCTGCTGGACAGTCCCTGGAGGTGGAGAAAGGAGCTGAAACACCATCAGCAACATG
GCTCTTGTACTCACATCCAACAGCAAGAGGAAGAGGATTAACCTAGGCATCTACTACAACCCGAAACCC
TTGGAGGTGAACTGCTGGTCCC GCCCGTGGATCTTGAACCGTGGGCCAGTGGCTACTCTGATCTGGCTG
TTGTGGAAGAACAGGACTTGGTGGCGTGTGTTGTTGAGTGTGGGGAGAAGAATGAGTATGAGCGGATTGA
CTTCTGTCTGTTTTAGACCACGAGGTCCTGAGCTGTGAAGACTGTACCAGCCCTAGTAGCGAC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



[View online »](#)

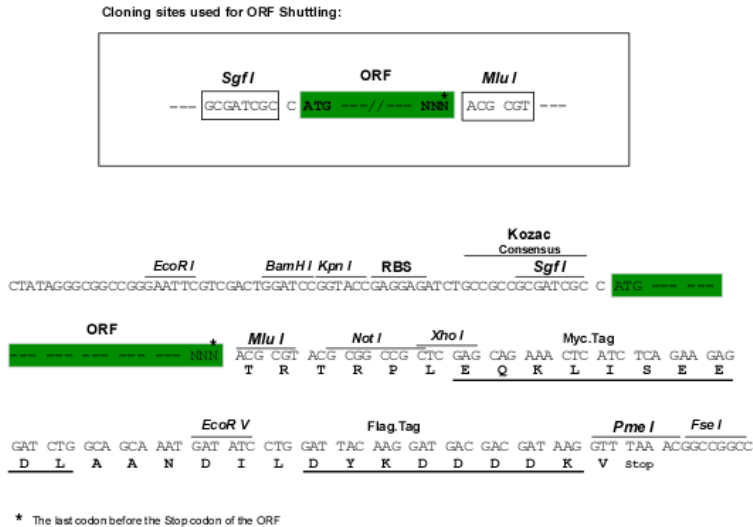
Protein Sequence: >MR223297 protein sequence
 Red=Cloning site Green=Tags(s)

MEEVPPYSLSSTLFQEEQSGVYRIPALLYLPPTHTFLAFAEKRTSVRDEDAACLVLRRGLMKGRSVQW
 GPQRLLMEATLPGHRTMNPVWEKNTGRVYLFFICVRGHVTERCQIVWGKNAARLCFLCSEDAGCSWGE
 VKDLTEEVIGSEVKRWATFAVGPGHGIQLHSGRLIIPAYAYVSRWFLCFACSVKPHSLMIYSDDFGVTW
 HHGKFIEPQVTGECQVAEVAGTAGNPVLYCSARTPSRFRAEAFSTDSGGCFQKPTLNQQLHEPRTGCQGS
 VVSRPLKMPNTYQDSIGKGAPATQKCPLLDSPLEVEKGAETPSATWLLYSHPTSKRKRINLGIYYNRP
 LEVNCWSRPWILNRGPSGYSDLAVVEEQDLVACLFECEKNEYERIDFCLFSDHEVLSCEDCTSPSSD

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



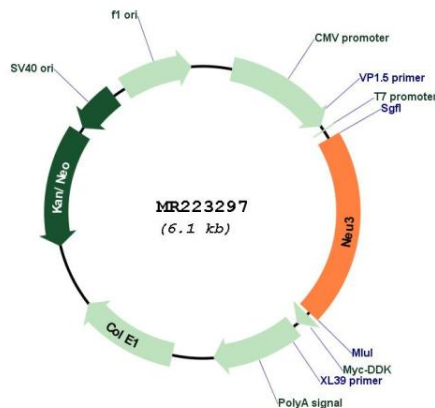
ACCN: NM_016720

ORF Size: 1257 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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_016720.1
RefSeq Size:	3341 bp
RefSeq ORF:	1257 bp
Locus ID:	50877
UniProt ID:	Q9JMH7
Cytogenetics:	7 E1
MW:	46.8 kDa
Gene Summary:	Plays a role in modulating the ganglioside content of the lipid bilayer at the level of membrane-bound sialyl glycoconjugates.[UniProtKB/Swiss-Prot Function]

Product images:


Circular map for MR223297