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Product datasheet for MR221092

Neu2 (NM_001160165) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Neu2 (NM_001160165) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Neu2
Synonyms:	MBS; MSS; MTS
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence:

>MR221092 representing NM_001160165
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGAAGATCTCAGGCCCATGGCGACCTGCCCTGTCCTGCAGAAGGAGACACTGTTCCGCACAGGCGTCC
ATGCTTACAGAATCCCTGCTCTGCTCTACCTGAAGAAGCAGAAGACCCTGCTGGCCTTTGCGGAAAAGCG
AGCCAGCAAGACGGATGAGCACGCAGAGTTGATTGTCCTGAGAAGAGGAAGCTACAACGAAGCCACCAAC
CGTGTCAAGTGGCAGCCTGAGGAAGTGGTGACCCAAGCCCAGCTGGAAGGCCACCGCTCCATGAATCCAT
GTCCCTTGTATGACAAGCAAACAAAGACCCTCTTCCTTTTCTTCATCGCTGTCCCTGGGCGTGTATCAGA
ACATCATCAGCTCCACACTAAGGTTAATGTCACACGGCTGTGCTGTGTCAGCAGCACTGACCATGGGAGG
ACCTGGAGCCCCATCCAGGACCTCACAGAGACCACCATTGGCAGCACTCATCAGGAATGGGCCACATTTG
CTGTGGGTCCTGGGCATTGTCTGCAGCTGCGGAACCCAGCTGGGAGCCTGCTGGTACCTGCTTATGCCTA
CCGGAAACTGCACCCTGCTCAGAAGCCTACCCCCTTTGCCTTCTGCTTCATCAGCCTTGACCATGGGCAC
ACATGGAAACTAGGCAACTTTGTGGCTGAAAACTCACTGGAGTGCCAGGTGGCTGAGGTTGGCACTGGAG
CTCAGAGGATGGTATATCTCAATGCTAGGAGCTTCCTGGGAGCCAGGGTCCAGGCACAAAGTCCTAATGA
TGGTCTGGATTTCCAGGACAACCGGGTAGTGAGTAAGCTTGTAGAGCCCCCCCACGGGTGTCATGGAAGT
GTGGTTGCCTTCCACAACCCCATCTCTAAGCCACATGCCTTAGACACATGGCTTCTTTATACACACCCTA
CAGACTCCAGGAATAGAACCAACCTGGGTGTGTACCTAAACCAGATGCCACTAGATCCCACAGCCTGGTC
AGAGCCCACCCTGCTGGCCATGGGCATCTGTGCCTACTCAGACTTACAGAACATGGGGCAAGGCCCTGAT
GGCTCCCCACAGTTTGGGTGTCTGTATGAATCAGGTAACTATGAAGAGATCATTTTCCTCATATTCACCC
TGAAGCAAGCTTTCCCCACTGTATTTGATGCCCAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

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Protein Sequence:

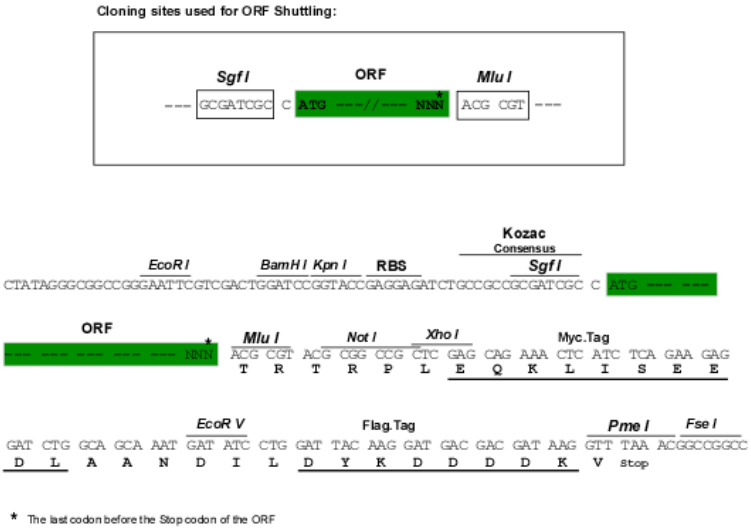
>MR221092 representing NM_001160165
Red=Cloning site Green=Tags(s)

MEDLRPMATCPVLQKETLFRTGVHAYRIPALLYLKKQKTLLAFAEKRASKTDEHAELIVLRRGSYNEATN
RVKWQPEEVVTQAQLEGHRSMNPCPLYDKQTKTLFLFFIAVPGRVSEHHQLHTKVNVTRLCCVSSTDHGR
TWSPIQDLTETTIGSTHQEWATFAVGPGHCLQLRNPAGSLLVPAYAYRKLHPAQKPTPFAFCFISLDHGH
TWKLGNFVAENSLECQVAEVGTGAQRMVYLNARSFLGARVQAQSPNDGLDFQDNRVVSKLVEPPHGCHGS
VVAFHNPISKPHALDTWLLYTHPTDSRNRTNLGVYLNQMPLDPTAWSEPTLLAMGICAYSDLQNMGQGPD
GSPQFGCLYESGNYEEIIFLIFTLKQAFPTVFDAQ

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001160165

ORF Size: 1155 bp

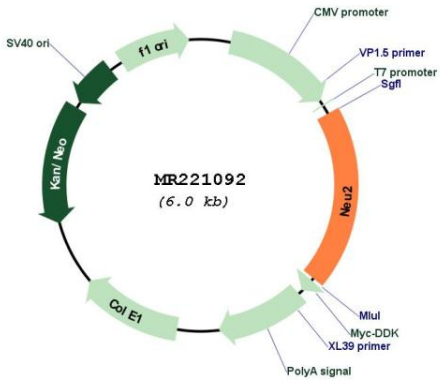
OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially 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:	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_001160165.1, NP_001153637.1
RefSeq Size:	1748 bp
RefSeq ORF:	1158 bp
Locus ID:	23956
UniProt ID:	Q9JMH3
Cytogenetics:	1 D
MW:	43.6 kDa
Gene Summary:	Catalyzes the removal of sialic acid (N-acetylneuraminic acid) moities from glycoproteins, oligosaccharides and gangliosides.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR221092