

Product datasheet for **RC230160**

NEU4 (NM_001167600) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	NEU4 (NM_001167600) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	NEU4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RC230160 representing NM_001167600
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGGGTCCCTCGTACCCCTTACGGACAGTGTCTTCGAGCGGAGAGGACGGGCTGACCTACCGCG
 TGCCCTCGCTGCTCCCCGTGCCCGGGCCACCCTGCTGGCCTTTGTGAGCAGCGGCTCAGCCCTGA
 CGACTCCACGCCACCCTGGTGTGAGGAGGGCACGCTGGCCGGGGCTCCGTGCGGTGGGGTGCC
 CTGCACGTGCTGGGACAGCAGCCCTGGCGGAGACCGGTCCATGAACCCTGCCCTGTGCACGATGCTG
 GCACGGGACCGTCTTCTTCTTTCATCGCGGTGCTGGGCCACACGCTGAGGCCGTGCAGATCGCCAC
 GGAAGGAACGCCGCGCCTCTGCTGTGTGGCCAGCCGTGACGCCGGCCTCTCGTGGGGCAGCGCCGG
 GACCTACCGAGGAGCCATCGGTGGTCCGTGCAGGACTGGGCCACATTCGCTGTGGGTCCCGCCACG
 GCGTGCAGTCCCTCAGGCCGCTGCTGTACCCGCTACACCTACCGGTGGACCGCCGAGAGTGT
 TGGCAAGATCTGCCGACAGCCCTCACTCCTTCGCCTTACAGCGATGACCACGGCCGACCTGGCGC
 TGTGGAGGCTCGTGCCCAACCTGCGCTCAGGCGAGTGCCAGCTGGCGGGGTGGACGGTGGCAGGCCG
 GCAGTTCCTCTACTGCAATGCCCGAGCCACTGGGCAGCCGTGTGCAGGCGCTCAGCACTGACGAGGG
 CACCTCCTTCTGCCCGCAGAGCGGTGGCTTCCCTGCCCGAGACTGCCTGGGGTGCCAGGGCAGCATC
 GTGGGCTTCCAGCCCCGCCCAACAGGCCACGGGATGACAGTTGGTCACTGGGCCCGGGAGTCCCC
 TCCAGCTCCACTCCTCGGTCTGGAGTCCACGAACCCCAAGGAGGCTGTGTAGACCCCGTGGAGG
 CCAGGTGCCTGGTGGGCCTTCAAGCGTCTGCAGCCTCGGGGGATGGCCCCAGGCAGCTGGCCCCAGG
 CCTGGGGTCACTGGGGTGTACTCCACCCAGTGGGGCGCAGGGCTCGCTACACATGGGTATCCGCTGAG
 GCCCCCGCTGGACCCGCGCAGCTGGACAGCCCTGGGTGATCTACGAGGGCCCGAGCGGCTACTCC
 GACCTGGCGTCCATCGGGCCGGCTCCTGAGGGGGCTGGTTTTTGCCTGCTGTACGAGAGCGGGCCA
 GGACCTCCTATGATGAGATTTCTTTTGTACATTTCCCTGCGTGGAGTCTGGAGAAGCTGCCCGCCAG
 CCCCAGCGCCCAACCTGGGGACAAGCTCGGGGTGCTGCTGGCCCTCC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC230160 representing NM_001167600
 Red=Cloning site Green=Tags(s)

MGVPRTPSRTVLFERERTGLTYRVPSSLVPPGPTLLAFVEQRLSPDDSHAHRLVLRRTLAGGSVRWGA
 LHVLGTAALAEHRSMNCPVHDAGTGTVFLFFIAVLGHTPEAVQIATGRNAARLCCVASRDAGLSWGSAR
 DLTEEAIGGAVQDWATFVGPVGHVQLPSGRLLVPAYTYRVDRECFGKICRTSPHSFAFYSDDHGRTWR
 CGGLVPNLRSGECQLAAVDGGQAGSFLYCNARSPLGSRVQALSTDEGTSFLPAERVAASLPETAWGCQGS
 VGFPAAPNRPDDSSWSVGPSPQLPPLLPGVHEPPEEAADVPRGGQVPGGPF SRLQPRGDGPRQPGPR
 PGVSGDVGSWTLALPMPFAAPPQSPTWLLYSHVGRARRLHMGI RLSQSPLDPRSWTEPWVIYEGPSGYS
 DLASIGPAPEGGLVFACLYESGARTSYDEISFCTFSLRELVENVPASPKPPNLGDKPRGCCWPS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mk8064_g10.zip

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NM_001167600

ORF Size: 1452 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](#)

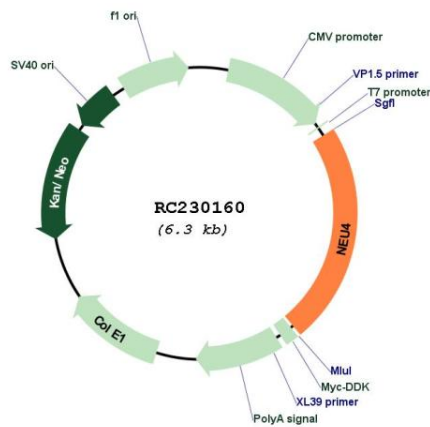
OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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:
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_001167600.1, NP_001161072.1](#)
RefSeq ORF: 1455 bp
Locus ID: 129807
UniProt ID: [Q8WWR8](#)
Cytogenetics: 2q37.3
Protein Pathways: Other glycan degradation, Sphingolipid metabolism
MW: 52 kDa
Gene Summary: The protein encoded by this gene belongs to a family of glycohydrolytic enzymes, which remove terminal sialic acid residues from various sialo derivatives, such as glycoproteins, glycolipids, oligosaccharides, and gangliosides. Alternatively spliced transcript variants encoding different isoforms have been noted for this gene. [provided by RefSeq, Nov 2009]

Product images:



Circular map for RC230160