

Product datasheet for **RC230162**

NEU4 (NM_001167602) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	NEU4 (NM_001167602) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	NEU4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RC230162 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGGGTCCCTCGTACCCCTTACGGACAGTGTCTTCGAGCGGAGAGGACGGGCTGACCTACCGCG
 TGCCCTCGCTGCTCCCCGTGCCCGGCGCCACCCTGCTGGCCTTTGTGAGCAGCGGCTCAGCCCTGA
 CGACTCCACGCCACCCTGGTGTGAGGAGGGGACGCTGGCCGGGGCTCCGTGCGGTGGGGTGCC
 CTGCACGTGCTGGGGACAGCAGCCCTGGCGGAGACCGGTCCATGAACCCTGCCCTGTGCACGATGCTG
 GCACGGGACCGTCTTCCCTTTCATCGCGGTGCTGGGCCACACGCTGAGGCCGTGCAGATCGCCAC
 GGAAGGAACGCCGCGCCTCTGCTGTGTGGCCAGCCGTGACGCCGGCCTCTCGTGGGGACGCGCCGG
 GACCTACCGAGGAGCCATCGGTGGTCCGTGCAGGACTGGGCCACATTCGCTGTGGGTCCCGCCACG
 GCGTGCAGTCCCTCAGGCCGCTGCTGTACCCGCTACACCTACCGGTGGACCGCCGAGAGTGT
 TGGCAAGATCTGCCGGACAGCCCTCACTCCTTCGCCTTACAGCGATGACCACGGCCGACCTGGCGC
 TGTGGAGGCTCGTGCCCAACCTGCGCTCAGGCGAGTGCCAGCTGGCGGGGTGGACGGTGGCAGGCCG
 GCAGTTCCTCTACTGCAATGCCCGGAGCCACTGGGCAGCCGTGTGCAGGCGCTCAGCACTGACGAGGG
 CACCTCCTTCTGCCCGCAGAGCGGTGGCTTCCCTGCCCGAGACTGCCTGGGGTGCCAGGGCAGCATC
 GTGGGCTTCCAGCCCCGCCCAACAGGCCACGGGATGACAGTTGGTCACTGGGCCCGGGAGTCCCC
 TCCAGCTCCACTCCTCGGTCTGGAGTCCACGAACCCAGAGGAGGCTGTGTAGACCCCGTGGAGG
 CCAGGTGCCTGGTGGGCCTTACGCCGTCTGCAGCCTCGGGGGATGGCCCCAGGCAGCTGGCCCCAGG
 CCTGGGGTCACTGGGGATGTGGGGTCTGGACCCTGGCAGTCCCATGCCCTTGTGCTGCCCGCCCGA
 GCCCCAGTGGCTGTACTCCACCCAGTGGGGCGCAGGGCTCGCTACACATGGGTATCCGCTGAG
 CCAGTCCCCGCTGGACCCGCGCAGCTGGACAGAGCCCTGGGTGATCTACGAGGGCCCCAGCGCTACTCC
 GACCTGGCGTCCATCGGGCCGGCTCCTGAGGGGGCTGGTTTTTGCCTGCCTGTACGAGAGCGGGCCA
 GGACCTCCTATGATGAGATTTCTTTTGTACATTTCCCTGCGTGAGGTCTGGAGAAGCTGCCCGCCAG
 CCCAAGCCGCCAACCTGGGGACAAGCTCGGGGTGCTGCTGGCCCTCC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC230162 protein sequence
 Red=Cloning site Green=Tags(s)

MGVPRTPSRTVLFERERTGLTYRVPSSLVPVPPGPTLLAFVEQRLSPDDSHAHRLVLRRTLAGGSVRWGA
 LHLVLTAAAEHRSMNCPVHDAGTGTVFLFFIAVLGHTPEAVQIATGRNAARLCCVASRDAGLSWGSAR
 DLTEEAIGGAVQDWATFAVGPGHGVQLPSGRLLVPAYTYRVDRECFGKICRTSPHSFAFYSDDHGRTWR
 CGGLVPNLRSGECQLAAVDGGQAGSFLYCNARSPLGSRVQALSTDEGTSFLPAERVASLPETAWGCQGS
 VGFPAAPNRPDDSSWSVGPSPQPPLLPVGPVHEPPEEAADVPRGGQVPGGPF SRLQPRGDGPRQPGPR
 PGVSGDVGSWTLALPMPFAAPPQSPTWLLYSHVGRRARLHMGIRLSQSPLDPRSWTEPWVYIEGSPGYS
 DLASIGPAPEGGLVFACLYESGARTSYDEISFCTFSLRELVENVPASPKPPNLGDKPRGCCWPS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

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

Restriction Sites:

SgfI-MluI

Cloning Scheme:


ACCN: NM_001167602

ORF Size: 1452 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_001167602.1](#), [NP_001161074.1](#)

RefSeq Size: 2554 bp

RefSeq ORF: 1455 bp

Locus ID: 129807

UniProt ID: [Q8WWR8](#)

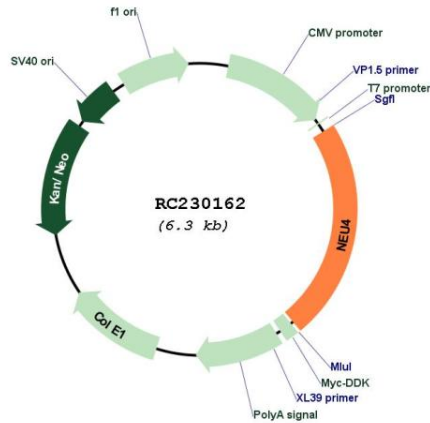
Cytogenetics: 2q37.3

Protein Pathways: Other glycan degradation, Sphingolipid metabolism

MW: 51.6 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 RC230162