

Product datasheet for **RG203948**

NEU4 (NM_080741) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	NEU4 (NM_080741) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	NEU4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RG203948 representing NM_080741
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGATGAGCTCTGCAGCCTTCCAAGTGGCTGAGCATGGGGTCCCTCGTACCCTTCACGGACAGTGC
 TCTTCGAGCGGGAGAGGACGGCCCTGACCTACCGCGTGCCTCGCTGCTCCCGTGCSCCGGGCCAC
 CCTGCTGGCCTTTGTGGAGCAGCGGCTCAGCCCTGACGACTCCCACGCCACCGCTGGTCTGAGGAGG
 GGCACGCTGGCCGGGGCTCCGTGCGGTGGGTGCCCTGCACGTCTGGGACAGCAGCCCTGGCGGAGC
 ACCGGTCCATGAACCCCTGCCCTGTGCACGATGCTGGCACGGCACCGTCTTCTCTTTCATCGCGGT
 GCTGGGCCACACGCTGAGGCCGTGCAGATCGCCACGGGAAGGAACGCCGCGCCTCTGCTGTGTGGCC
 AGCCGTGACGCCGCCTCTCGTGGGCAGCGCCCGGACCTACCGAGGAGGCCATCGTGGTGGCTGTC
 AGGACTGGCCACATTTCGTGTGGTCCCGCCACGGCGTGCAGTGCCTCAGGCCGCTGCTGGTACC
 CGCTACACCTACCGGTGACCGCCGAGAGTGTTCGGCAAGATCTGCCGACAGCCCTCACTCTTC
 GCCTTCTACAGCGATGACCACGGCCGACCTGGCGCTGTGGAGGCTCGTGCCCAACCTGCGCTCAGGGC
 AGTGCCAGCTGGCGCGGTGGACGGTGGCAGGCCGCGAGCTTCTCTACTGCAATGCCCGAGCCCACT
 GGGCAGCCGTGTGCAGGCGCTCAGCACTGACGAGGGCACCTCTTCTGCCCCGAGAGCGCGTGGCTTC
 CTGCCCGAGACTGCCTGGGGTGCAGGGCAGCATCGTGGGCTTCCAGCCCCGCCCCAACAGGCCAC
 GGGATGACAGTTGGTCACTGGGCCCCGGAGTCCCCTCCAGCCTCCACTCCTCGGTCTGGAGTCCACGA
 ACCCCAGAGGAGGCTGCTGTAGACCCCGTGGAGGCCAGTGCCTGGTGGGCCCTCAGCCGTCTGCAG
 CCTCGGGGGATGGCCCCAGGCAGCCTGGCCCCAGGCCGTTGGGTGAGTGGGGATGTGGGTCTGGACCC
 TGGCACTCCCCATGCCCTTTGCTGCCCGCCCCAGAGCCCCACGTGGCTGTACTCCCACCCAGTGGG
 GCGCAGGGCTCGGCTACACATGGGTATCCGCCTGAGCCAGTCCCCGCTGGACCCGCGCAGCTGGACAGAG
 CCCTGGGTGATCTACGAGGGCCCCAGCGCTACTCCGACCTGGCGTCCATCGGGCCGCTCCTGAGGGG
 GCCTGGTTTTTGCCTGCCTGTACGAGAGCGGGCCAGGACCTCCTATGATGAGATTTCTTTTGTACATT
 CTCCTGCGTGAGGTCTGGAGAAGTGCCTGCCCGCCAGCCCCAAGCCGCCAACCTTGGGGACAAGCTCG
 GGGTGTCTGCTGGCCCTCC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG203948 representing NM_080741
 Red=Cloning site Green=Tags(s)

MMSSAAFPRWLSMGVPRTPSRTVLFERERTGLTYRVPSLLPVPPGPTLLAFVEQRLSPDDSHAHRLVLR
 GTLAGGSVRWALHVLGTAALAEHRSMNCPVHDAGTGTVFLFFIAVLGHTPEAVQIATGRNAARLCCVA
 SRDAGLSWGSARDL TEEAIGGAVQDWATFAVGPGHVQLPSGRLLVPAYTYRVDRECFGKICRTSPHSF
 AFYSDDHGRTWRCGGLVPNLRSGEQLAAVDGGQAGSFLYCNARSPLGSRVQALSTDEGTSFLPAERVA
 LPETAWGCQGSIVGFAPAPNRPRDDSSVSGPGSPLQPPLLGPVHEPPEEAADVPRGGQVPGGPF SRLQ
 PRGDGPRQPGPRPGVSGDVGSWTLALPMPFAAPPQSPTWLLYSHPVGRRARLHMGIRLSQSPLDPRSWTE
 PWVIYEGPSGYSDLASIGPAPEGGLVFACLYESGARTSYDEISFCTFSLRELVENVPASPKPNNLGDKPR
 GCCWPS

TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_080741

ORF Size: 1488 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_080741.2](#)

RefSeq Size: 2327 bp

RefSeq ORF: 1491 bp

Locus ID: 129807

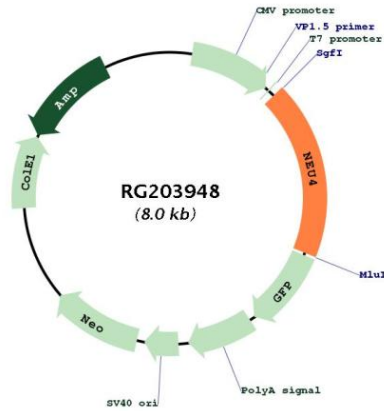
UniProt ID: [Q8WWR8](#)

Cytogenetics: 2q37.3

Protein Pathways: Other glycan degradation, Sphingolipid metabolism

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 RG203948