

Product datasheet for **SC128158**

NMU (NM_006681) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	NMU (NM_006681) Human Untagged Clone
Tag:	Tag Free
Symbol:	NMU
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC128158 sequence for NM_006681 edited (data generated by NextGen Sequencing)

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ATGCTGCGAACAGAGAGCTGCCGCCCCAGGTCGCCCGCCGACAGGTGGCCGCGGCGTCC
CCGCTCCTGCTGCTGCTGCTGCTGCTCGCTGGTGC GCGGGCGCCTGCCGAGGTGCTCCA
ATATTACCTCAAGGATTACAGCCTGAACAACAGCTACAGTTGTGGAATGAGATAGATGAT
ACTTGTCGTCTTTTCTGTCCATTGATTCTCAGCCTCAGGCATCCAATGCACTGGAGGAG
CTTTGCTTTATGATTATGGGAATGCTACCAAAGCCTCAGGAACAAGATGAAAAAGATAAT
ACTAAAAGTTCTTATTTTCATTATTCGAAGACACAGAAGTTGGGCAAGTCAAATGTTGTG
TCGTCAAGTTGTCATCCGTTGCTGCAGCTCGTTCCTCACCTGCATGAGAGAAGAATGAAG
AGATTCAGAGTGGACGAAGAATTCCAAAGTCCCTTTGCAAGTCAAAGTCGAGGATATTTT
TTATTCAGGCCACGGAATGGAAGAAGTTCAGCAGGGTTTCATTAA
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Clone variation with respect to NM_006681.2
228 c=>t



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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_006681 unedited
 ACTATTAGTGGCGGCCGGCGACCTTAGCATTGGTCCCAGTCTCCGGCAGTAGCTGGGCTA
 TGCGTCTACACATGCGTGCAGTCGAGGCACAGCCAGGGCACCAGGTGGAGCACCAGCTA
 CGCGTGGCGCAGCGCAGCGTCCCATACCCGAGCCTCCCGCAGCCGCGGAGATGCTGCGA
 ACAGAGAGCTGCCGCCCCAGGTGCCCCCGGACAGGTGGCCGCGGCGTCCCCGCTCCTG
 CTGCTGCTGCTGCTCGCCTGGTGCAGCGGGCGCTGCCGAGGTGCTCCAATATTACCT
 CAAGGATTACAGCCTGAACAACAGCTACAGTTGTGGAATGAGATAGATGATACTTGTTCG
 TCTTTTCTGTCCATTGATTCTCAGCCTCAGGCATCCAATGCACTGGAGGAGCTTTGCTTT
 ATGATTATGGAATGCTACCAAAGCCTCAGGAACAAGATGAAAAAGATAATACTAAAAGG
 TTCTTATTTTATTTCGAAGACACAGAAGTTGGGCAAGTCAAATGTTGTGTCGTCAGTT
 GTGCATCCGTTGCTGCAGCTCGTTCCTCACCTGCATGAGAGAAGAATGAAGAGATTGAGA
 GTGGACGAAGAATTCCAAAGTCCCTTTGCAAGTCAAAGTCGAGGATATTTTTTATTCAGG
 CCACGGAATGGAAGAAGTGCAGAGGGTTCATTTAAAATGGATGCCAGCTAATTTTCCAC
 AGAGCAATGCTATGGAATACAAAATGTACTGACATTTTGTTCCTCTGAAAAAATCCT
 TGCTAAATGTAAGTCTGTTGAAAATCCCTGTGTTGTCAATGTTCTCAGTTGTAACAATGTT
 GTTAATGGTTCATTTGTTGAAAATAAAATCTTAAATAG

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_006681 unedited
 NNNGGATTCTTTGGAACCGCGGCCCTTTTTTTTTTTTTTTTTTTTTTTAGATTTTT
 TAATTTTCAACAAATTGAACATTTACAACATTGTTACAACGAGAACATTGACAACACAG
 GGATTTTCAACAGAGTACATTTAGCAAGGATTTTTTTCAGAAGAAAACAAAATGTCAGTA
 CATTTTGTATTCCATAGCATTGCTCTGTGGAATTTAGCTGGCATCCATTTTAAATGAAC
 CCTGCTGACCTTCTTCCATTCCGTGGCCTGAATAAAAAATATCCTCGACTTTGACTTGA
 AAGGGACTTTGGAATTTCTCGTCCACTGGAATCTTTCATTCTCTCATGCAGGTGA
 GGAACGAGCTGCAGCAACGGATGCACAACCTGACGACACAACATTTGACTTGCCCAACTTC
 TGTGCTTTCGAATAATGAAATAAGAACCCTTTTAGTATTATCTTTTTTTCATCTTGTTCCTGA
 GGCTTTGGTAGCATTCCATAATCATAAAGCAAAGCTCCTCCAGTGCATTGGATGCCTGA
 GGCTGAGAATCAATGGACAGAAAAGACGAACAAGTATCATCTATCTCATTCCACAACCTGT
 AGCTGTTGTTTCAGGCTGTAATCCTTGAGGTAATATTGGAGCACCTCGGCAGGCGCCCGCG
 CACCAGGCGAGCAGCAGCAGCAGCAGCAGGAGCGGGGACGCCGCGCCACCTGTCCGGCG
 GCGCACCTGGGGCGCAGCTCTGTTTCGAGCATCTCGGCGGCTGCGGGAGGCTCGGTG
 CTAGGGACGCTGCGCTGCGCCACGCGTAGCTGGTGTCCACCTGGTGCCTGGCTGTGCC
 TCGGCGGACGCGTGGGTGACCATATCCCCGGATTTCCGACCGGTACCAGATCTGAATTC
 GCGGCCGCC

Restriction Sites:

Please inquire

ACCN:

NM_006681

Insert Size:

700 bp

OTI Disclaimer:

Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

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_006681.1 , NP_006672.1
RefSeq Size:	817 bp
RefSeq ORF:	525 bp
Locus ID:	10874
UniProt ID:	P48645
Cytogenetics:	4q12
Protein Families:	Druggable Genome, Secreted Protein, Transmembrane
Gene Summary:	<p>This gene encodes a member of the neuromedin family of neuropeptides. The encoded protein is a precursor that is proteolytically processed to generate a biologically active neuropeptide that plays a role in pain, stress, immune-mediated inflammatory diseases and feeding regulation. Increased expression of this gene was observed in renal, pancreatic and lung cancers. Alternative splicing results in multiple transcript variants encoding different isoforms. Some of these isoforms may undergo similar processing to generate the mature peptide. [provided by RefSeq, Jul 2015]</p> <p>Transcript Variant: This variant (1) represents the longest transcript and encodes the longest isoform (1).</p>