

Product datasheet for **SC336671**

MUC20 (NM_001291833) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MUC20 (NM_001291833) Human Untagged Clone
Tag:	Tag Free
Symbol:	MUC20
Synonyms:	MUC-20
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >SC336671 representing NM_001291833.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGGCTGTCTCTGGGGTCTGGCTCTGCCCTTTTCTTCTGCTGGGAGGTTGGGGTCTCTGGGAGCTCT
GCAGGCCCCAGCACCCCGAGAGCAGACACTGCGATGACAACGGACGACACAGAAGTGCCCGCTATGACT
CTAGCACCGGGCCACGCCGCTCTGGAAACTCAAACGCTGAGCGCTGAGACCTCTTCTAGGGCCTCAACC
CCAGCCGGCCCCATTCCAGAAGCAGAGACCAGGGGAGCCAAGAGAATTTCCCTGCAAGAGAGACCAGG
AGTTTCAAAAAACATCTCCCAACTTCATGGTGTGATCGCCACCTCCGTGGAGACATCAGCCGCCAGT
GGCAGCCCGGAGGGAGCTGGAATGACCACAGTTCAGACCATCACAGGCAGTATCCCGAGGAAGCCATC
TTTGACACCTTTGCACCGATGACATCTCTGAAGAGGCAAAGACACTCACAATGGACATATTGACATTG
GCTCACACCTCCACAGAAGCTAAGGGCCTGTCTCAGAGAGCAGCGCCTTCCGACGGCCCCCATCCA
GTCATCACCCCGTACGGGCCTCAGAGAGCAGCGCCTTCCGACGGCCCCCATCCAGTCATCACCCCTCATGGTCCCG
TCAGGGCCTCAGAGAGCAGCGCCTTCCGACGGCCCCCATCCAGTCATCACCCCTCATGGTCCCG
GGATCTGACGTCACTCTCTCGCTGAAGCCTGGTACTGTACAAACATCGAGGTTATTAATTGCAGC
ATCACAGAAACAACAACCTCCAGCATCCCTGGGGCCTCAGACATAGATCTCATCCCCACGGAAGGGTG
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GTCACAGCCTCTGCCGAGACCCTGTCCACAGCCGGCACCACAGAGTCAGCTGCACCTCATGCCACGGTT
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GGAGCTCTGGTACAGTTAGCAGGAATCCCCTGGAAGAAACCTCAGCCCTCTCTGTTGAGACACCAAGT
TACGTCAAAGTCTCAGGAGCAGCTCCGGTCTCCATAGAGGCTGGGTGAGCAGTGGGCAAAAACAACCTCC
TTTGCTGGGAGCTCTGCTTCTCCTACAGCCCTCGGAAGCCGCCCTCAAGAACTTCACCCCTTCAGAG
ACACCGACCATGGACATCGCAACCAAGGGCCCTTCCCCACAGCAGGGACCCCTTCTTCTGTCCCT
CCGACTACAACCAACAGCAGCCGAGGGCAGAACAGCACCTTAGCCAAGATCACAACCTCAGCGAAGACC
ACGATGAAGCCCCAACAGCCACGCCACGACTGCCCGGACGAGGCCACACAGACGTGAGTGCAGGT
GAAAATGGAGGTTTCTCCTCTGTGGTGTGAGTGTGGCTTCCCCGGAAGACCTCACTGACCCAGAGTG
GCAGAAAGGCTGATGCAGCAGCTCCACCGGAACTCCACGCCACGCGCCTCACTCCAGGTCTCCTTA
CTGCGTGTGAGGAGGGCTAA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
  
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Restriction Sites: SgfI-MluI

ACCN: NM_001291833

Insert Size: 1608 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:

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_001291833.1](#)

RefSeq Size: 2086 bp

RefSeq ORF: 1608 bp

Locus ID: 200958

UniProt ID: [Q8N307](#)

Cytogenetics: 3q29

MW: 54.8 kDa

Gene Summary: This gene encodes a member of the mucin protein family. Mucins are high molecular weight glycoproteins secreted by many epithelial tissues to form an insoluble mucous barrier. The C-terminus of this family member associates with the multifunctional docking site of the MET proto-oncogene and suppresses activation of some downstream MET signaling cascades. The protein features a mucin tandem repeat domain that varies between two and six copies in most individuals. Multiple variants encoding different isoforms have been found for this gene. A related pseudogene, which is also located on chromosome 3, has been identified. [provided by RefSeq, Apr 2014]

Transcript Variant: This variant (3) lacks a codon in the 5' coding region and nine mucin tandem repeat sequences in the central coding region, and also has additional polymorphisms in the coding region and UTRs, compared to variant 1. The encoded isoform (c) is shorter than isoform a. This variant includes three mucin tandem repeats and is represented on the ALT_REF_LOCI_6 alternate haplotype of the reference genome. **Sequence Note:** This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.