

Product datasheet for **SC336774**

MUC20 (NM_020790) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MUC20 (NM_020790) 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)



[View online »](#)

Fully Sequenced ORF: >SC336774 representing NM_020790.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGGATCGCC
ATGGGCTGTCTCTGGGGTCTGGCTCTGCCCTTTTCTTCTCTGCTGGGAGTTGGGGTCTCTGGGAGC
TCTGCAGGCCCCAGCACCCGAGAGCAGACACTGCGATGACAACGGACGACACAGAAGTGCCCGCTATG
ACTCTAGCACCGGGCCACGCCGCTCTGGAACTCAAACACTGAGCGCTGAGACCTTTCTAGGGCCTCA
ACCCAGCCGGCCCGTTCCAGAAGCAGAGACAGGGGATCCAAGAGAATTTCCCTGCAAGAGAGACC
AGGAGTTTCAAAAAACATCTCCAACCTCATGGTGCTGATCGCCACCTCCGTGGAGACATCAGCCGCC
AGTGGCAGCCCGAGGGAGCTGGAATGACCACAGTTTACAGCCATCACAGGCAGTGATCCCGAGGAAGCC
ATCTTTGACACCTTTGCACCGATGACAGCTCTGAAGAGGCAAAGACTCACAATGGACATATTGACA
TTGGCTCACACCTCCACAGAAGTAAGGGCCTGTCTCAGAGAGCAGTGCCTTTCCGACGGCCCCCAT
CCAGTCATCACCCGTCACGGCCCTCAGAGAGCAGCGCCTTTCCGACGGCCCCCATCCAGTCATCACC
CGTACAGGGCCTCAGAGAGCAGCGCCTTTCCGACGGCCCCCATCCAGTCATCACCCCGTCACGGGCC
TCAGAGAGCAGCGCCTTTCCGACGGCCCCCATCCAGTCATCACCCCTCATGGTCCCGGGATCTGAC
GTCACTCTCTCGCTGAAGCCCTGGTGACTGTCAAAACATCGAGTTATTAATTGCAGCATCACAGAA
ATAGAAAACAACGACTTCCAGCATCCCTGGGGCCTCAGACACAGATCCCATCCCCACGGAAGGGTGAAG
GCCTCGTCCACCTCCGATCCACCAGCTCTGCCTGACTCCACTGAAGCAAAACCACACATCACTGAGGTC
ACAGCCTCTGCCGAGACCCTGTCCACAGCCGGCACCACAGAGTCAGTGCACCTGATGCCACGATTGGG
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GCTCTGGCCACAGGGAATCCCTTGAAGAAACCTCAGCCCTCTCTGTTGAGACACCAAGTTACGTAAA
GTCTCAGGACAGCTCCGGTCTCCATAGAGGCTGGTTCAGCAGTGGGCAAAACAACCTTCTTTGCTGGG
AGCTCTGTTTCTCTACAGCCCTCGGAAGCCGCTCAAGAACTTACCCCTTCAGAGACACTGACC
ACGGACATCGCAACCAAGGGGCCCTTCCCACAGCAGGGACCCTTCTCTTCTGTCCCTCAACTACA
ACCAACAGCAGCCGAGGGACGAACAGCACCTTAGCCAAGATCACAACTCAGCGAAGACCACGATGAAG
CCCCAACAGCCACGCCACGACTGCCCGGACGAGGCCGACCACAGACATGAGTGCAGGTGAAAATGGA
GGTTTCTCTCTGCGGCTGAGTGTGGCTTCCCAGAACCTCACTGACCCAGAGTGGCAGAAAAGG
CTGATGCAGCAGCTCCACGGAACTCCACGCCACGCGCCTCACTTCCAGGTCTCTTACTGCGTGC
AGGAGAGGCTAA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTAAACGGCCGCGC
  
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Restriction Sites: Sgfl-Mlul

ACCN: NM_020790

Insert Size: 1668 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_020790.1](#)

RefSeq Size: 2146 bp

RefSeq ORF: 1668 bp

Locus ID: 200958

UniProt ID: [Q8N307](#)

Cytogenetics: 3q29

MW: 56.7 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 (4) lacks eight mucin tandem repeat sequences in the central coding region, and also has additional polymorphisms in the coding region and 5' UTR, compared to variant 1. The encoded isoform (d) is shorter than isoform a. This variant includes four mucin tandem repeats and is represented on the ALT_REF_LOCI_7 alternate haplotype of the reference genome.