

## Product datasheet for **SC126194**

### **MUC20 (BC044243) Human Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	MUC20 (BC044243) Human Untagged Clone
Tag:	Tag Free
Symbol:	MUC20
Synonyms:	FLJ14408; KIAA1359; mucin 20; mucin 20, cell surface associated; transmembrane mucin MUC20S
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL5</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)



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**Fully Sequenced ORF:**

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>OriGene sequence for BC044243 edited
GTGGCCGGCTAGGATGGGCTGTCTCTGGGGTCTGGCTCTGCCCTTTTCTTCTTCTGCTG
GGAGGTTGGGGTCTCTGGGAGCTCTGCAGGCCCCAGCACCCGACAGCAGACACTGCGAT
GACAACGGACGACACAGAAGTGCCCGCTATGACTCTAGCACCCGGCCACGCCGCTCTGGA
AACTCAAACGCTGAGCGCTGAGACCTCTTCTAGGGCTCAACCCAGCCGGCCCCATTCC
AGAAGCAGAGACCAGGGAGCCAAGAGAATTTCCCTGCAAGAGAGACCAGGAGTTTCAC
AAAAACATCTCCCAACTTCATGGTGCTGATCGCCACCTCCGTGGAGACATCAGCCGCCAG
TGGCAGCCCCGAGGGAGCTGGAATGACCACAGTTCAGACCATCACAGGCAGTGATCCCGA
GGAAGCCATCTTTGACACCCTTTCACCCGATGACAGCTCTGAAGAGGCAAAGACACTCAC
AATGGACATATTGACATTGGCTCACACCTCCACAGAAGCTAAGGGCTGTCTCAGAGAG
CAGTGCTCTTCCGACGGCCCCATCCAGTCATCACCCCGTCACGGGCTCAGAGAGCAG
CGCCTCTCCGACGGCCCCATCCAGTCATCACCCCGTCACGGGCTCAGAGAGCAGCGC
CTCTCCGACGGCCCCATCCAGTCATCACCCCGTCATGGTCCCCGGGATCTGATGTCAC
TCTCTCGCTGAAGCCCTGGTGACTGTCACAAACATCGAGTTATTAATTGCAGCATCAC
AGAAATAGAAACAACAATTCCAGCATCCCTGGGGCTCAGACATAGATCTCATCCCCAC
GGAAGGGGTGAAGGCCTCGTCCACTCCGATCCACCAGCTCTGCCTGACTCCACTGAAGC
AAAACCACACATCACTGAGGTACAGCCTCTGCCGAGACCCTGTCCACAGCCGGCACAC
AGAGTCAGCTGCACCTCATGCCACGGTTGGGACCCCACTCCCCACTAACAGCGCCACAGA
AAGAGAAGTGACAGCACCCGGGGCCACGACCCTCAGTGGAGCTCTGGTCACAGTTAGCAG
GAATCCCTGGAAGAAACCTCAGCCCTCTCTGTTGAGACACCAAGTTACGTCAAAGTCTC
AGGAGCAGCTCCGGTCTCCATAGAGGCTGGGTGAGCAGTGGGCAAAACAACCTTCTTTGC
TGGGAGCTCTGCTTCTCCTACAGCCCCCGGAAGCCGCCCTCAAGAACTTCACCCCTTC
AGAGACACCGACCATGGACATCGCAACCAAGGGGCCCTTCCCCACCAGCAGGGACCCTCT
TCCTTCTGTCCCTCCGACTACAACCAACAGCAGCCGAGGGACGAACAGCACCTTAGCCAA
GATCACAACCTCAGCGAAGACCAGATGAAGCCCCAACAGCCACGCCACGACTGCCCG
GACGAGGCCGACCACAGACGTGAGTGCAGGTGAAAATGGAGGTTTCTCCTCCTGCGGCT
GAGTGTGGCTTCCCCGGAAGACCTCACTGACCCACAGTGGCAGAAAGGCTGATGCAGCA
GCTCCACCGGAACTCCACGCCACGCGCCTCACTTCCAGGTCTCCTTACTGCGTGTGAG
GAGAGGCTAACGGACATCAGCTGCAGCCAGGCATGTCCCGTATGCCAAAAGAGGGTGTG
CCCCTAGCCTGGGCCCCACCGACAGACTGCAGCTGCGTACTGTGCTGAGAGGTACCCA
GAAGGTTCCCATGAAGGGCAGCATGTCCAAGCCCTAACCCAGATGTGGCAACAGGACC
CTCGCTCACATCCACCGAGTGTATGTATGGGGAGGGGCTTACCTGTTCCAGAGGTGT
CCTTGGACTCACCTTGGCACATGTTCTGTGTTTTCAGTAAAGAGAGACCTGATCACAAAA
AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA
AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA
AAAAAAA
    
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<b>5' Read Nucleotide Sequence:</b>	>OriGene 5' read for BC044243 unedited CTGATAGGGCGGCCGCGTAATCCCGGAATATCGTCGACCCTCGTCGTCGCCGAGCAGTTC TGTGGAGCAGCGGTGGCCGGCTAGGATGGGCTGTCTCTGGGGTCTGGCTCTGCCCTTTT CTTCTTCTGCTGGGAGGTTGGGGTCTCTGGGAGCTCTGCAGGCCCCAGCACCCGCAGAGC AGACTGCGATGACAACGGACGACACAGAAGTGCCCGCTATGACTCTAGCACCCGGGCCA CGCCGCTCTGAAACTCAAACACTGAGCGCTGAGACCTTCTAGGGCCTCAACCCAGC CGGCCCGTTCCAGAAGCAGAGACCAGGGGAGCCAAGAGAATTTCCCTGCAAGAGAGAC CAGGAGTTTCACAAAAACATCTCCAACCTCATGGTGCTGATCGCCACCTCCGTGGAGAC ATCAGCCGCCAGTGGCAGCCCCGAGGGAGCTGGAATGACCACAGTTCAGACCATCACAGG CAGTGATCCCAGGAAGCCATCTTTGACACCTTTGCACCGATGACAGCTCTGAAGAGGC AAAGACTCACAAATGGACATATTGACATTGGCTCACACCTCCACAGAAGCTAAGGGCCT GTCCTCAGAGAGCAGTGCCTCTCCGACGGCCACATCCAGTCATACCCCGTCACGGGC CTCAGAGAGCAGCGCCTCTCCGACGGGCCCATCCAGTCATACCCCGTCACGGGCCTC AGAGAGCAGCGCCTCTCCGACGGGCCCATCCAGTCATACCCCGTCACGGGCCTCAGAG AGCAGCGCCTCTCCGACGGGCCCATCCAGTCATACCCCGCTCAGGTCCCGGGGATCT GACGTCCCTCTCCTCGTGAAACCC
<b>Restriction Sites:</b>	Please inquire
<b>ACCN:</b>	BC044243
<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
<b>RefSeq:</b>	<a href="#">BC044243.1</a> , <a href="#">AAH44243.1</a>
<b>RefSeq Size:</b>	2048 bp
<b>Locus ID:</b>	200958
<b>Cytogenetics:</b>	3q29
<b>Gene Summary:</b>	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]

