

Product datasheet for **SC316396**

MUC20 (NM_001098516) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: MUC20 (NM_001098516) Human Untagged Clone
Tag: Tag Free
Symbol: MUC20
Synonyms: MUC-20
Vector: pCMV6 series

Fully Sequenced ORF: >NCBI ORF sequence for NM_001098516, the custom clone sequence may differ by one or more nucleotides

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ATGACAACGACGACACAGAAGTGCCCGCTATGACTCTAGCACCCGGGCCACGCCGCTCTG
GAAACTCAAACGCTGAGCGCTGAGACCTTTCTAGGGCCTCAACCCAGCCGGCCCAT
CCAGAAGCAGAGACCAGGGGAGCCAAGAGAATTTCCCTGCAAGAGAGACCAGGATTTT
ACAAAAACATCTCCAACTTCATGGTGCTGATCGCCACCTCCGTGGAGACATCAGCCGCC
AGTGGCAGCCCGAGGGAGCTGGAATGACCACAGTTCAGACCATCACAGGCAGTGATCCC
AGGGAAGCCATCTTTGACACCCTTTGCACCGATGACAGCTCTGAAGAGGCAAAGACTC
ACAATGGACATATTGACATTGGCTCACACCTCCACAGAAGCTAAGGGCCTGTCTCAGAG
AGCAGCGCCTCTCCGACAGCCCCATCCAGTCATCACCCCGTCACGGGCCTCAGAGAGC
AGCGCCTCTCCGACGGCCCCATCCAGTCATCACCCCGTCACGGGCCTCAGAGAGCAGC
GCCTCTCCGACGGCCCCATCCAGTCATCACCCCGTCATGGTCCCCGGGATCTGACGTC
ACTCTCTCGTGAAGCCCTGGTGACTGTCACAAACATCGAGGTTATTAATTGCAGCATC
ACAGAAATAGAAACAACGACTTCCAGCATCCCTGGGGCCTCAGACACAGATCTCATCCCC
ACGGAAGGGGTGAAGCCCTCGTCCACCTCCGATCCACCAGCTCTGCCTGACTCCACTGAA
GCAAAACACACATCACTGAGGTCACAGCCTCTGCCGAGACCCTGTCCACAGCCGGCACC
ACAGAGTCAGCTGCACCTGATGCCACGGTTGGGACCCCACTCCCCTAACAGCGCCACA
GAAAGAGAAGTGACAGCACCCGGGGCCACGACCCTCAGTGGAGCTCTGGTACAGTTAGC
AGGAATCCCTTGAAGAAACCTCAGCCCTCTGTGGAGACCAAGTTACGTCAAAGTC
TCAGGAGCAGCTCCGGTCTCCATAGAGGCTGGGTGAGCAGTGGGCAAAACAATTCCTTT
GCTGGGAGCTCTGCTTCTCCTACAGCCCTCGGAAGCCGCCCTCAAGAACTTCAACCCT
TCAGAGACACCGACCATGGACATCGCAACCAAGGGGCCCTTCCCCACCAGCAGGGACCT
CTTCTTCTGTCCCTCCGACTACAACCAACAGCAGCCGAGGGACGAACAGCACCTTAGCC
AAGATCACAACCTCAGCGAAGACCAGATGAAGCCCCAACAGCCACGCCACGACTGCC
CGGACGAGGCCGACCACAGACGTGAGTGCAGGTGAAAATGGAGGTTTCTCTCTCGGG
CTGAGTGTGGCTTCCCCGGAAGACCTCACTGACCCAGAGTGGCAGAAAGGCTGATGCAG
CAGCTCCACCGGAACTCCACGCCACGCGCCTCACTTCCAGGTCTCTTACTGCGTGTG
AGGAGAGGC
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Restriction Sites: Please inquire
ACCN: NM_001098516



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| 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). |
| OTI Annotation: | This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA. |
| 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: | <u>NM_001098516.1</u> , <u>NP_001091986.1</u> |
| RefSeq Size: | 6462 bp |
| RefSeq ORF: | 1512 bp |
| Locus ID: | 200958 |
| Cytogenetics: | 3q29 |
| Gene Summary: | <p>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]</p> <p>Transcript Variant: This variant (S) contains a distinct 5' UTR and uses a downstream start codon, compared to variant L. The resulting isoform (S) has a shorter N-terminus when compared to isoform L.</p> |