

## Product datasheet for **SC100182**

### **MUC15 (NM\_145650) Human Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	MUC15 (NM_145650) Human Untagged Clone
Tag:	Tag Free
Symbol:	MUC15
Synonyms:	MUC-15; PAS3; PASIII
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_145650, the custom clone sequence may differ by one or more nucleotides

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ATGTTGGCCTTAGCCAAAATTCTGTTGATTTCAACGTTGTTTTATTCACTTCTATCGGGGAGCCATGGAA
AAGAAAATCAAGACATAAACACAACACAGAACATTGCAGAAGTTTTTAAAACAATGGAAAATAAACCTAT
TTCTTTGGAAAGTGAAGCAAACCTAAACTCAGATAAAGAAAATATAACCACCTCAATCTCAAGGCGAGT
CATTCCCCTCCTTTGAATCTACCCAACAACAGCCACGGAATAACAGATTTCTCCAGTAACTCATCAGCAG
AGCATTCTTTGGGCAGTCTAAAACCCACATCTACCATTTCCACAAGCCCTCCCTTGATCCATAGCTTTGT
TTCTAAAGTGCCTTGAATGCACCTATAGCAGATGAAGATCTTTTGCCCATCTCAGCACATCCCAATGCT
ACACCTGCTCTGTCTTCAGAAAACCTTCACTTGGTCTTTGGTCAATGACACCGTGAAGAACTCCTGATAACA
GTTCCATTACAGTTAGCATCCTCTCTTCAGAACCAACTTCTCCATCTGTGACCCCTTGATAGTGGAAAC
AAGTGGATGGCTTACCACAAACAGTGATAGCTTCACTGGGTTTACCCCTTATCAAGAAAAACAACCTCTA
CAGCCTACCTTAAAATTCACCAATAATTCAAAACCTCTTCCAAATACGTCAGATCCCCAAAAAGAAAATA
GAAATACAGGAATAGTATTCGGGGCCATTTTAGGTGCTATTCTGGGTGTCTCATTGCTTACTCTTGTGGG
CTACTTGTGTGTGAAAAAGGAAAACGGATTCAATTTCCCATCGGCGACTTTATGACGACAGAAATGAA
CCAGTTCTGCGATTAGACAATGCACCGAACCTTATGATGTGAGTTTTGGGAATTCTAGCTACTACAATC
CAACTTTGAATGATTAGCCATGCCAGAAAGTGAAGAAAATGCACGTGATGGCATTCTATGGATGACAT
ACCTCCACTTCGTAATTCTGTATAG
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<b>5' Read Nucleotide Sequence:</b>	>OriGene 5' read for NM_145650 unedited CTTTTCCAGAAACCCGGGTCCGATTTTGTATACGACTCACTATAGGGCGGCCGCGAATTC GGCACCAGGCAAGATACAGCCAGCCCCACCTAATTTTGTTCCTGGCACCCTCCTGCTC AGTGCGACATTGTCACACTTAACCCATCTGTTTCTCTAATGCACGACAGATTCCTTTCA GACAGGACAACGTGATATTTTCAGTTCTGATTGTAATACCTCCTAAGCCTGAAGCTTC TGTTACTAGCCATTGTGAGCTTCAGTTTCTTCATCTGCAAAATGGGCATAATAACAATCTA TTCTTGCCACATCAAGGGATTGTTATTCCTTTAAAAAAAACCAATACCAAGAAGCCTA CAATGTTGGCCTTAGCCAAAATTCTGTTGATTTCAACGTTGTTTTATTCACTTCTATCGG GGAGCCATGGAAGAAAATCAAGACATAAACACAACACAGAACATTGCAGAAGTTTTTA AAACAATGGAATAAACCTATTTCTTTGGAAAGTGAAGCAAACCTAAACTCAGATAAAG AAAATATAACCACCTCAAATCTCAAGGCGAGTCATTCCTCCTTTGAATCTACCAACA ACAGCCACGGAATAACAGATTTCTCCAGTAACCGTCAGCAGAGCATTCTTTGGGCAGTC TAAAACCCACATCTACATTTCCACAAGCCCTCCCCTTGATCCATAGCTTTGTTTCTAAA GTGCCCTTGAATGCACCTATAGCAGATGAAGATCTTTGCCATCTCAGCACATCCCAAT GCTACACCTGCTCTGCTTCAGAACTTCACTTGGTCTTTGGTCAATGACACCGCTGAAA CTCTTGATACAGTTTACATTACAGTTAGCATCCTCTCTTCAGAACCACCTCTCCATCTGT GACCCCTTGATAGTGAACCCAGTGGATGGCTTACCACAACAGTGGATAGCTTCACTG GTTTTATCC
<b>Restriction Sites:</b>	NotI-NotI
<b>ACCN:</b>	NM_145650
<b>Insert Size:</b>	2650 bp
<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="#">NM_145650.2</a> , <a href="#">NP_663625.2</a>
<b>RefSeq Size:</b>	2084 bp
<b>RefSeq ORF:</b>	1005 bp
<b>Locus ID:</b>	143662
<b>UniProt ID:</b>	<a href="#">Q8N387</a>
<b>Cytogenetics:</b>	11p14.2
<b>Protein Families:</b>	Secreted Protein, Transmembrane

**Gene Summary:**

May play a role in the cell adhesion to the extracellular matrix.[UniProtKB/Swiss-Prot Function]

Transcript Variant: This variant (2) differs in the 5' UTR and uses a downstream translation initiation codon, compared to variant 1. The resulting isoform (b) is shorter at the N-terminus, compared to isoform a.