

Product datasheet for **SC321122**

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:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_145650.2
 GCTTACAGCTGAGAAGCAGGTCAGTCAGGTTCTGGGCGCTCTGTTACACAAGCAAGATA
 CAGCCAGCCCCACCTAATTTTGTTCCTGGCACCTCCTGCTCAGTGCGACATTGTAC
 ACTTAACCCATCTGTTTTCTCTAATGCACGACAGATTCTTTTCAGACAGGACAACGTGA
 TATTTTCAGTTCCTGATTGTAATACCTCCTAAGCCTGAAGCTTCTGTTACTAGCCATTGT
 GAGCTTCAGTTTCTTCATCTGCAAAAATGGGCATAATAACAATCTATTCTTGCCACATCAAG
 GGATTGTTATTCCTTTAAAAAAAACCAATACCAAAGAAGCCTACAATGTTGGCCTTAGC
 CAAAATTCGTGTTGATTTCAACGTTGTTTTATTCACTTCTATCGGGGAGCCATGGAAAAGA
 AAATCAAGACATAAACACAACACAGAACATTGCAGAAGTTTTTAAAAACAATGGAAAATAA
 ACCTATTTCTTTGGAAAGTGAAGCAAACCTAAACTCAGATAAAGAAAATATAACCACTC
 AAATCTCAAGGCGAGTCATTCCTCCTTTGAATCTACCAACAACAGCCACGGAATAAC
 AGATTTCTCCAGTAACTCGTCAGCAGAGCATTCTTTGGGAGTCTAAAACCCACATCTAC
 CATTTCCACAAGCCCTCCCTTGATCCATAGCTTTGTTTCTAAAGTGCCTTGAATGCACC
 TATAGCAGATGAAGATCTTTGGCCATCTCAGCACATCCCAATGTACACCTGCTCTGTC
 TTCAGAAAACCTCACTTGGTCTTTGGTCAATGACACCGTAAAACTCCTGATAACAGTTC
 CATTACAGTTAGCATCCTCTCTCAGAACCAACTTCTCCATCTGTGACCCCTTGATAGT
 GGAACCAAGTGGATGGCTTACCACAAACAGTGATAGCTTCACTGGGTTTATCCCTTATCA
 AGAAAAACAACCTCTACAGCCTACCTTAAAATTACCAATAATTCAAAACCTTTTCCAAA
 TACGTCAGATCCCCAAAAAGAAAATAGAAAACAGGAATAGTATTCGGGGCCATTTTAGG
 TGCTATTCTGGGTGTCTCATTGCTTACTCTTGTGGGCTACTTGTGTGTGGAAAAAGGAA
 AACGGATTCAATTTCCCATCGGCGACTTATGACGACAGAAATGAACCAGTTCTGCGATT
 AGACAATGCACCGAACCTTATGATGTGAGTTTTGGGAATCTAGCTACTACAATCCAAC
 TTTGAATGATTCAGCCATGCCAGAAAGTGAAGAAAATGCACGTGATGGCATTCTATGGA
 TGACATACCTCCACTTCGTACTTCTGTATGGAACCTAACAGCAAAAAGGCGTTAAACAGCA
 AGTGTCTATCTACATCCTAGCCTTTTGACAAATTCATCTTTCAAAAAGGTTACACAAAATTA
 CTGTCCAGTGGATTTTGTCAAGGAGAATCATAAAAGCAGGAGACCAGTAGCAGAAATGTA
 GACAGGATGTATCATCCAAAGGTTTTCTTTCTTACAATTTTGGCCATCCTGAGGCATTT
 ACTAAGTAGCCTTAATTTGTATTTTAGTAGTATTTTCTTAGTAGAAAATATTTGTGGAAT
 CAGATAAACTAAAAGATTTACCATTACAGCCCTGCCTCATAACTAAATAATAAAAATT
 ATTCACCAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA

Restriction Sites: Please inquire

ACCN: NM_145650

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:

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_145650.2](#), [NP_663625.2](#)

RefSeq Size: 2084 bp

RefSeq ORF: 1005 bp

Locus ID: 143662

UniProt ID: [Q8N387](#)

Cytogenetics: 11p14.2

Protein Families: 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.