

## Product datasheet for **SC338161**

### MUC3 (MUC3A) (NM\_005960) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	MUC3 (MUC3A) (NM_005960) Human Untagged Clone
Tag:	Tag Free
Symbol:	MUC3A
Synonyms:	MUC-3A; MUC3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_005960, the custom clone sequence may differ by one or more nucleotides

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AGAGACCCGAGATGACCTCGTCCTCAGTGA
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<b>Restriction Sites:</b>	Sgfl-Mlul
<b>ACCN:</b>	NM_005960
<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_005960.1</a> , <a href="#">NP_005951.1</a>
<b>RefSeq Size:</b>	11361 bp
<b>RefSeq ORF:</b>	9972 bp
<b>Locus ID:</b>	4584
<b>UniProt ID:</b>	<a href="#">Q02505</a>
<b>Cytogenetics:</b>	7q22.1

**Gene Summary:**

The mucin genes encode epithelial glycoproteins, some of which are secreted and some membrane bound. Each of the genes contains at least one large domain of tandemly repeated sequence that encodes the peptide sequence rich in serine and/or threonine residues, which carries most of the O-linked glycosylation (Gendler and Spicer, 1995 [PubMed 7778880]).[supplied by OMIM, Aug 2008]