

Product datasheet for **RC240267**

MUC3 (MUC3A) (NM_005960) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: MUC3 (MUC3A) (NM_005960) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: MUC3A
Synonyms: MUC-3A; MUC3
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RC240267 representing NM_005960
Red=Cloning site Blue=ORF Green=Tags(s)

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Protein Sequence:

>RC240267 representing NM_005960
Red=Cloning site Green=Tags(s)

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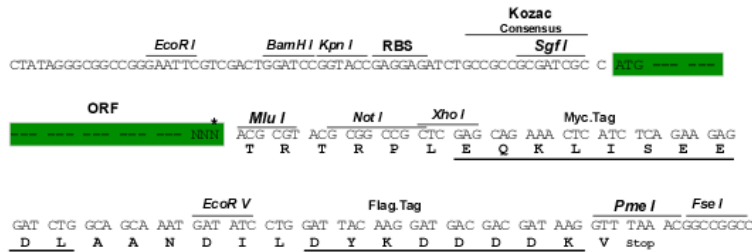
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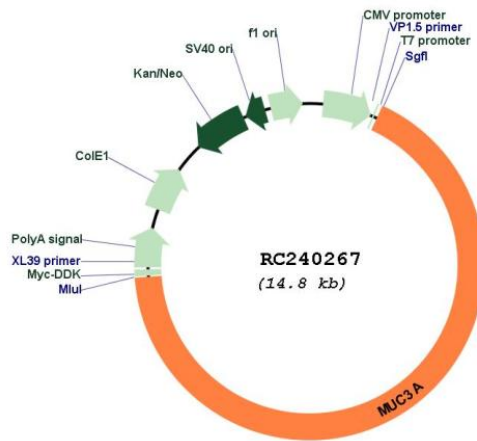
Restriction Sites:
 Cloning Scheme:

SgfI-MluI

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

Plasmid Map:


ACCN: NM_005960

ORF Size: 9969 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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_005960.2](#)

RefSeq Size: 11361 bp

RefSeq ORF: 9972 bp

Locus ID: 4584

UniProt ID: [Q02505](#)

Cytogenetics: 7q22.1

MW: 345.6 kDa

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]