

Product datasheet for **RN205960**

Muc1 (NM_012602) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Muc1 (NM_012602) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Muc1
Synonyms:	MGC188069
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

Fully Sequenced ORF: >RN205960 representing NM_012602
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGACCCCGGCATACGGGTTCTCTCTCTCTGCTACTTCTAGCAAGCCTAAAAGTCCGAGTGGTG
 CCTCTCTCAACCACCAGCCTTCCAGGGACTCCTTCAGCACTGCAGTCCCAGTGGTGCTCTTCTC
 AGCCACCAGCCCTCCAGTGGACTCCACCACCTCTCCAGTTCATAGTAGCACCTCGTTCACGACCAGC
 CCTCCAGGAGACTCCACCAGCACTGCAGTCTCAGTGGTACTCAGATCCAGCCACCAGCCCTCCAGGG
 ACTCTCCAGCACTGCAGTCCCCAATGGTGCCTTCTCAGCCACCAGCCCTCCAGTGGACTCCACCAC
 CTCCCCAGTTCATAGTAGCACCTCGTTCACGACCAGCTCTCCAGGGACTCCACCAGCACTGCAGTC
 ACCAGTGGCACCTCTTCTCAGCCACCAGCCCTCCAGAGGACTCTCCAGCACTGCAGTACCAGTGGCA
 CCTCGTCCCAGCCACCAGCCCTCCAGGGACTCTCCAGCACTGCAGTACCAGTGGCACCTCGTCCCC
 AGCCACCAGCCCTATATTGGACTCTCCAGCACTGCAGTCTCAGTGGCACCTCGTCCCCAGCCACCAGC
 CCTCCAGAGGACTCCACCAGCACTGCAGTACCAGTGGCACCTCGTCCCCAGCCACCAGCCCTCCAGAGG
 ACTCCACCAGCACTGCAGTACCAGTGGCACCTCGTCCCCAGCCACCAGCCCTATATTGGACTCTCCAG
 CACTGCAATCCACAGTGGCACCTCGTCCCCAGCCACCAGCCCTCCAGGGACTCTCCAGCACTGCAGTC
 CTCAGCGGTGCTTCCACCCAAACCACCAAGGCTGTATCAGACTTAGTAGCACTCCAACCACAATGGCA
 TCATGGTCCCACTACCTGGTCTGCATTGAGCTCAGCCACCAGTCCGGTGTACAGTGGTCTCTCAGTAC
 AACTAATAGCTCTGAATCAGACATGGCCACCCTCCAGTGTACAGTGGCACCCATTCTCTTCTACCAG
 GCTACGTCAGCTATCACCAGACCAATGGCTCCTTGGTGCAGTACCAGTCTGTGTGGGCTTAG
 CCACAGTCCAGCCCATGATACCTCTCGGTGGCCACAACCTCCAGTCCGCAATGACACTCAGTCTTCAGT
 TCCAAGTCAGCAGCCATCTCTCCACCATCCCCGCCATCTCCAGCCACAGTACTGTTAGCAGCAGCTCT
 TACTACAGCACAGCGGTCTTCCCTACCTTCTCCAGTAACAGCTCACCCAGTTGTCTGTCCGGGTCTCCT
 TCTTCTCGTTGTCTTTTACATTCCGAACCACCCATTTAATTCTTCCCTGGAAGACCCAGCTCCCGCTA
 CTACCAAGAACTGAAGAGGAACATTTCCGGATTGTTTCTGCAGGTTTTAACGGAGACTTCTGGGGGTC
 TCTACTATCAAGTTCAGGTCAGGCTCGGTGGTGGTAGCATCGACTGTGATTTTCCGGGAGGGCACTTTCA
 GTGCCCTGAAGTGAAGTACAGCTCGTACAACATAAGAAGGAGGAGCTGACTATAATCTGACTATCTC
 GGAAGTCAATGTGAATGAGATGCAGTTCCTTCTCTGCCCAGTCTTGGCTGGGTACCAGTTGGGGC
 ATTGCCCTGCTGGTACTGGTCTGTATTTGGTGGCTTTGGTTCATGTCTATCTCATTGCCCTGGCATTGT
 GCCAGTCCCGCAGAAAGAGCTATGGGCAGCTGGACCTCTTCCAACCCGGGACACCTACCATCCTATGAG
 TGAATATCCTACCTACCACACTCACGGACGCTATGTGCCCTGCCACTACCAACGCTAGCCCTATGAA
 GAGGTTTCGACAGGCAATGGCAGTAGCGGTCTCTTTACACCAACCCGGCTGTGGCAACCACTTCGGCCA
 ACTTGTAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_012602
- Insert Size:** 1968 bp
- 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).
- 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_012602.1](#), [NP_036734.1](#)

RefSeq Size: 2328 bp

RefSeq ORF: 1968 bp

Locus ID: 24571

Cytogenetics: 2q34

Gene Summary: an integral membrane protein whose reduction is necessary for embryo implantation [RGD, Feb 2006]