

Product datasheet for **MR209607**

Muc1 (NM_013605) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Muc1 (NM_013605) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Muc1
Synonyms:	CD227; EMA; Muc-1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide
Sequence:

>MR209607 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGACCCCGGCATTTCGGCTCCTTTCTCCTGCTGCTACTTCTAGCAAGTCTAAAAGTTTTCTTGCCC
TTCCAAGTGAGGAAAACAGTGTACCTCATCTCAGGACACCAGCAGTTTCCTTAGCATCGACTACCACTCC
AGTCCACAGCAGCAACTCAGACCCAGCCACCAGACCTCCAGGGGACTCCACCAGCTCTCCAGTCCAGAGT
AGCACCTTTCTCCAGCCACCAGAGCTCCTGAAGACTCTACCAGTACTGCAGTCTCAGTGGCACCTCCT
CCCCAGCCACCACAGTCCAGTGAAGTCCGCCAGCTCTCCAGTAGCCCATGGTGACACCTTTCCCCAGC
CACTAGCCTTTCAAAGACTCCAACAGCTCTCCAGTAGTCCACAGTGGCACCTCTCAGTCCGGCCACC
ACAGCTCCAGTGGATTCCACCAGCTCTCCAGTAGTCCACGGTGGTACCTCGTCCCAGCCACCAGCCCTC
CAGGGGACTCCACCAGCTCTCCAGACCATAGTAGCACCTTTCTCCAGCCACCAGAGTCCCGAAGACTC
TACCAGTACTGCAGTCTCAGTGGCACCTCTCCAGCCACCACAGCTCCAGTGGACTCCACCAGCTCT
CCAGTAGCCCATGATGACACCTTTCCAGCCACTAGCCTTTTCAAGACTCCGCCAGCTCTCCAGTAG
CCCACGGTGGCACCTTTCTCCAGCCACCAGCCCTCTAAGGGACTCCACCAGTTCTCCAGTCCACAGTAG
TGCTCCATCCAAAACATCAAGACTACATCAGACTTAGCTAGCACTCCAGACCACAATGGCACCTCAGTC
ACAACACTACCAGCTCTGCACTGGGCTCAGCCACCAGTCCAGACCACAGTGGTACCTCAACTACAACAA
GCTCTGAATCAGTCTTGGCCACCCTCCAGTTTACAGTAGCATGCCATTTCTACTACAAAAGTGACGTC
AGGCTCAGCTATCATTCCAGACCACAATGGCTCCTCGGTGCTACCTACCAGTTCTGTGTTGGGCTCAGT
ACCAGTCTAGTCTATAATACCTTGCAATAGCTACAACCTCAGTCAAGTGGCACTCAGCCTTCCAGTGC
CAAGTCAATACCCTGTTTCTCCTACCAGTGGCCACCACCTCCAGCCACAGCACTATTGCCAGCAGCTCTTA
CTATAGCACAGTACCATTTTCTACCTTCTCCAGTAAACAGTTACCCCAAGTTGTCTGTTGGGTCTCCTTC
TTCTTCTGTCTTTTACATTCAAACCACCCATTTAATTCTTCTCTGGAAGACCCAGCTCCAACACTACT
ACCAAGAAGTGAAGAGGAACATTTCTGGATTGTTTCTGCAGATTTTAAACGGAGATTTTCTGGGATCTC
TAGCATCAAGTTCAGGTCAGGCTCCGTGGTGGTAGAATCGACTGTGGTTTCCGGGAGGGTACTTTTAGT
GCCTCTGACGTGAAGTACAGCTTATACAGCATAAGAAGGAGGCAGATGACTATAATCTGACTATTTTCA
AAGTCAAAGTGAATGAGATGCAGTTCCTCCCTCTGCCAGTCCCGCCGGGGTACCAGGCTGGGGCAT
TGCCCTGCTGGTCTGGTCTGTATTTGGTTGCTTTGGCTATCGTCTATTTCTTGCCCTGGCAGTGTGC
CAGTGGCCGCCAAAGAGCTATGGGCAGTGGACATCTTTCCAACCCAGGACACCTACCATCCTATGAGTG
AATACCCTACCTACCACACTCACGGACGCTACGTGCCCCCTGGCAGTACCAAGCGTAGCCCTATGAGGA
GGTTTCGGCAGGTAATGGCAGTAGCAGTCTCTTATACCAACCCAGCTGTGGTGACCACCTTCTGCCAAC
TTG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR209607 protein sequence
 Red=Cloning site Green=Tags(s)

MTPGIRAPFFLLLLLASLKGFLALPSEENSVTSSQDTSSSLASTTTPVHSSNSDPATRPPGDSTSSPVQS
 STSSPATRAPEDSTSTAVLSGTSSPATTAPVNSASSPVAHGDTSSPATSLSKDNSSPVVHSGTSSAPAT
 TAPVDSTSSPVVHGGTSSPATSPPGDSTSSPDHSTSSPATRAPEDSTSTAVLSGTSSPATTAPVDSTSS
 PVAHDDTSSPATSLSEDSASSPVAHGDTSSPATSPLRDSTSSPVHSSASIQNIKTSDLASTPDHNGTSSV
 TTTSSALGSATSPDHSGTSTTTNSSEVLATTPVYSSMPFSTTKVTSGSIIIPDHNGSSVLPSSVLGSA
 TSLVYNTSAIATTPVSNGTQPSVPSQYPVSPTMATTSSHSTIASSSYSTVPFSTFSSNSSPQLSVGVSF
 FFLSFYIQNHPFNSSLEDPSSNYQELKRNISGLFLQIFNGDFLGISSIKFRSGSVVVESTVVFREGTFS
 ASDVKSQLIQHKKEADDYNLTISEVKVNEQFPSPAQRPGVPGWGIALLVLCILVALAIVYFLALAVC
 QCRKRSYQLDIFPTQDYHPMSEYPTYHTHGRYVPPGSTKRSPYEEVSAGNGSSSLSYTNPAVVTTSAN
 L

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NM_013605

ORF Size: 1893 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_013605.2](#)

RefSeq Size: 2243 bp

RefSeq ORF: 1896 bp

Locus ID: 17829

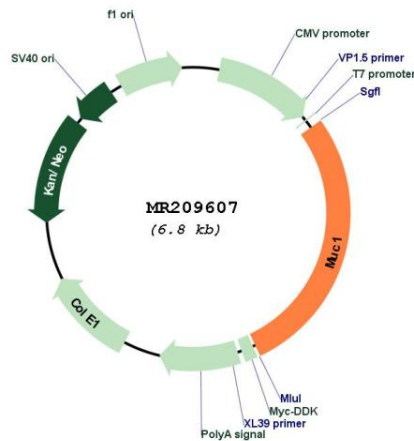
UniProt ID: [Q02496](#)

Cytogenetics: 3 39.02 cM

MW: 64.6 kDa

Gene Summary: The alpha subunit has cell adhesive properties. Can act both as an adhesion and an anti-adhesion protein. May provide a protective layer on epithelial cells against bacterial and enzyme attack.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR209607