

Product datasheet for **MR209013**

Muc13 (NM_010739) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Muc13 (NM_010739) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Muc13
Synonyms:	14/A10; 114/A10; AI159736; Lrrp; Ly64; NJ-1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR209013 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGAAAGGCTTCCTGCTTCTCTCTCAGTCTCCTTTGGTGACCGTGGGTAGTTCATCTCAGGCCTCTA
 GTACAACATCGTCTTCTGGTGGCACCAAGTCTCCACCACAGTACAAAGTCAATCTCCAGGTAGTTCATC
 TCAGGCCTCTACTACAACATCGTCTTCTGGTGGCGCCAGTCTCCACCACGGTACAGAGTCAATCTCCA
 GGTAGTTCATCTCAGGCCTCTACTACAACATCGTCTTCTGGTGGCGCCAGTCTCCACCACGGTACAGA
 GTCAATCTCCAGGTAGTTCATCTCAGGCCTCTACTACAACATCGTCTTCTGGTGGCGCCAGTCTCCAC
 CACGGTACAGAGTCAATCTCCAGGTAGTTCATCTCAGGCCTCTACTACAACATCGTCTTCTGGTGGCGCC
 AGTCTCCACCACGGTACAGAGTCAATCTCCAGGTAGTTCATCTCAGGCCTCTACTACAACATCGTCTT
 CTGGTGGCGCCAGTCTCCACCACGGTACAGAGTCAATCTCCAGGTAGTTCATCTCAGGTCTCTACTAC
 AACATCGTCTTCTGGTGGCGCCAGTCTCCACCACGGTACAGAGTCAATCTCCAGGTAGTTCATCTCAG
 CCCGACCAACTCAGCCTTCTGGTGGTCCAGCTCTCCACCGTCCAGCGGTGGAAGCACAGGTCCCA
 GTGATCTCTGCAACCCTAACCCCTGTAAGGAAGTCTTCTTGTGTTAAGCTGCATAGCAAACACTTCTG
 CTTGTGTTTAGAAGGCTATTACTACAACCTCGTCTCTGTGTCATGTGTGAAAGGAACGACATTCCTGGG
 GACATTAGCATGAGTGTGTCTGAAACAGCCAACCTGGAAGATGAAACTCTGTGGGCTATCAAGAGTTGT
 ACAACAGTGTACCGATTTTTTTGAAACAACATTTAATAAGACTGACTATGGACAGACTGTAATTTAA
 AGTGAGCACAGCCCTTCACGGTACGCAAGATCTGCAATGCGTGATGCTACAAAGGACGTGATGTATCC
 GTAGTAAATATATTTGGAGCAGACAAAAGAACTGAAAAGAGTGTATCTTCTGCAATCGAAACTGC
 TTAAGACTAGTGGCAATGTGAAAGACTATGTCAGTATAAATTTGTGTGATCATTATGGTTGTAGGAA
 TGACAGCAGTAAATGCCAGGACATTTTACAATGCACGTGCAAACCTGGGCTGGACAGGCTGAACCCACAG
 GTTCTTTTTGTGTGCTGTAACGTGCTCTCAGCCCTGCAATGCAGAGGAGAAGGAGCAGTCTTAAAGA
 TGGATAACGGAGTAAAGGATTGTGTGTGATGCGGGCTACCAGAGGGCAAACGGGAACAGGAAGTGTGA
 AGAGTGTCCATTTGGCTACAGCGGGATGAATTGCAAAGACCAATTTAGCTGATCCTCACCATCGTGGGC
 ACCATTGCTGGAGCCCTCATCCTCATCTTGCTGATTGCTTTTATCGTCTCTGCGAGGTCAAAGAACAAA
 AGAAGGATGGAGAAGAGCAGAGGCTGATTGAGGATGACTCCATAACCTACGACTGAGGCAGACCGGCTT
 CTCCAACCTAGGAGCGGACAACAGCATCTCCCAAAGTCAAGACAGGGGTCCCGAGTCAAGCCCTAAT
 CCCTACGCAAACAGCGAAGCATGCCTCGCCCTGACTAC

ACGCGTACGCGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR209013 protein sequence
 Red=Cloning site Green=Tags(s)

MKGFLLLSLSLLLVTVGSSSQASSTSSSGGTSPTTVQSQSPGSSSQASTTTSSSGGASPTTVQSQSP
 GSSSQASTTTSSSGASPTTVQSQSPGSSSQASTTTSSSGASPTTVQSQSPGSSSQASTTTSSSGA
 SPPTTVQSQSPGSSSQASTTTSSSGASPTTVQSQSPGSSSQVSTTTSSSGASPTTVQSQSPGSSSQ
 PGPTQPSGGASSSTVPSGGSTGPSDLGNPNPKGTASCVKLHSHKHFCLCLEGYYNSSLSSCVKGTTFPG
 DISMSVSETANLEDENSVGYQELYNVTDFFETTFNKTDYGTQVIKVVSTAPSRARSAMRATKDVSVS
 VVNIIFGADTKETKSVSSAIETAIKTSNVKDYVSINLCDHYGCVGNSSKQDILQCTCKPGLDRLNPQ
 VPFVAVTCSQPCNAEEKEQCLKMDNGVMDCVMPGYQRANGNRKCEECPPFGYSGMNCQDQFLILITIVG
 TIAGALILILLIAFIVSARSKNKKKDGEEQRLIEDDFHNLRLRQTGFNLGADNSIFPKVRTGVPSQTPN
 PYANQRSMRPDY

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:


ACCN: NM_010739

ORF Size: 1722 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_010739.2](#), [NP_034869.1](#)

RefSeq Size: 2969 bp

RefSeq ORF: 1722 bp

Locus ID: 17063

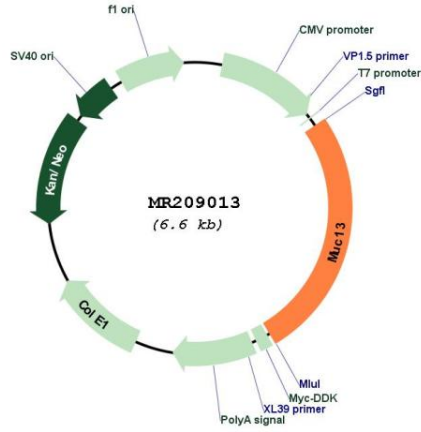
UniProt ID: [P19467](#)

Cytogenetics: 16 B3

MW: 58.7 kDa

Gene Summary: Epithelial and hemopoietic transmembrane mucin that may play a role in cell signaling.
[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR209013