

## Product datasheet for MR220606

### Muc15 (NM\_172979) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Muc15 (NM_172979) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Muc15
Synonyms:	4732460E09; D730046L02Rik; MUC-15
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR220606 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGTTGACCTTAGCCAAATTGCATTGATTTCAAGTCTGTTCAATTCATTACCATTTGCGAGGCCTCAGA  
AACAAAATCCACGAAGAAATGTAACCTCAGCACACTATAGAAGATGTGAAAATAATGAGAAACAACCTCCAT  
TCATTTGGAAAGAAGCATAAATGTAACCTCAGAGAATGGAAGTGATATCTCCAATCTCATGGTGACAACT  
CCTTCTCCTTTGAATTTATCTACAACCTTCAGAACAACAATTCACCAGAACCTGGCTAATGACTAGCT  
CATCTGAGAGTTCAGACCCCTCCTCCACATATTCTGTTCTCCCTTGGTTCAGGGCTTTGTTTCCAAGTT  
GCCTTTGAACTCATCCACAGCAGACGCAAAATCCTTTACAGGTCTCCGAACATTCCAATTCACAAAATTC  
CCATCACCAGAAAATTTACTTGGTCTTTGGACAATGACACAATGAACAGTCTGAAGATATTTCCACTA  
CAGTAAGACCCCTCCCTCCACCTCCAAAGACCACACCTGTGACCCCTTTCACAGCTGAACCTACTGAATG  
GCTCCCCACAAAATGACAACCTTTGCTGGTTTTACCCCGTATCAAGAAAAACAACCTTTACAACCTACA  
CTAAAATTCACCAATAATTCAAACCTTTCCCAAATACATCAGACACCCCAAGAGAATAAGAACACAG  
GAATAGTATTTGGAGCCATTTTAGGAGCCATCTGGGTGCTTCACTGCTTAGCCTTGTGGCTACTTATT  
GTGTGGACAACGAAAACAGATTCATTTCCCATCGGCGCCTTTATGATGACAGAAACGAACCAAGTCTG  
CGATTAGACAATGCACCAGAACCTTATGATGTCAATTTGGAAATCTAGTTACTACAACCCAGCTGTGA  
GTGATTCATCCATGCCAGAAGGGGGAGAAGCCTGCAAGATGGCATTCTATGGATGCTATACCTCCACT  
TCGCCCTCAATA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >MR220606 protein sequence  
 Red=Cloning site Green=Tags(s)

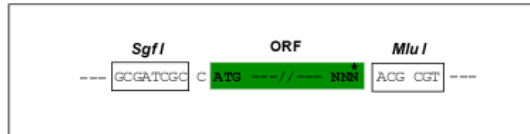
MLTLAKIALISSLFISLPFARPQKQNP RRNV TQHTIEDVKIMRNNSIHLERSINVTSENGSDISNLMVTT  
 PSPLNLS TTFRTTNSTRTWLMTSSSESRPSSTYSVPPLVQGFVSKLPLNSSTADANPLQVSEHSNSTNS  
 PSPENFTWSLDNDTMNSPEDISTTVRPFPPPKTTPVTPFTAEPTEWLP TNNDFAGFTPYQEKTLQPT  
 LKFTNNSKLF PNTSDTPKENKNTGIVFGAILGAILGASLLSLVGYLLCGQRKTD SF SHRRLYDDRNEPVL  
 RLDNAPEPYDVNFGNSSY YNPAVSDSSMPEGGESLQDGI PMDAIPPLRPSI

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



\* The last codon before the Stop codon of the ORF

**ACCN:** NM\_172979

**ORF Size:** 996 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\\_172979.3](#), [NP\\_766567.1](#)

**RefSeq Size:** 3277 bp

**RefSeq ORF:** 996 bp

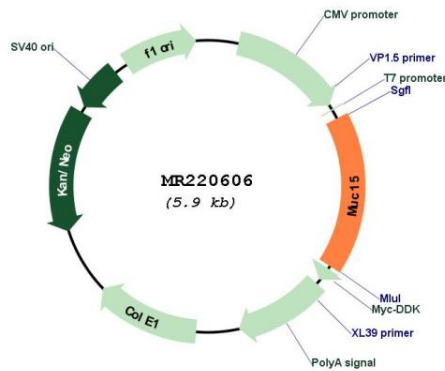
**Locus ID:** 269328

**UniProt ID:** [Q8C6Z1](#)

**Cytogenetics:** 2 E3

**MW:** 36.4 kDa

**Product images:**



Circular map for MR220606