

Product datasheet for **RC205071**

MUC15 (NM_145650) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MUC15 (NM_145650) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	MUC15
Synonyms:	MUC-15; PAS3; PASIII
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC205071 representing NM_145650 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTTGGCCTTAGCCAAAATTCTGTTGATTTCAACGTTGTTTTATTCACTTCTATCGGGGAGCCATGGAA
AAGAAAATCAAGACATAAACACAACACAGAACATTGCAGAAGTTTTTAAAACAATGGAAAATAAACCTAT
TTCTTTGGAAAGTGAAGCAAACCTAAACTCAGATAAAGAAAATAAACCACCTCAATCTCAAGGCGAGT
CATTCCCCTCCTTGAATCTACCCAACAACAGCCACGGAATAACAGATTTCTCCAGTAACTCGTCAGCAG
AGCATTCTTTGGGCAGTCTAAAACCCACATCTACCATTTCCACAAGCCCTCCCTTGATCCATAGCTTTGT
TTCTAAAGTGCCTTGGAATGCACCTATAGCAGATGAAGATCTTTTGCCCATCTCAGCACATCCCAATGCT
ACACCTGCTCTGTCTTCAGAAAACCTCACTTGGTCTTTGGTCAATGACACCGTGAAGAACTCCTGATAACA
GTTCCATTACAGTTAGCATCCTCTCTTCAGAACCAACTTCTCCATCTGTGACCCCTTGATAGTGGAAAC
AAGTGGATGGCTTACCACAAACAGTGATAGCTTCACTGGGTTTATCCCTTATCAAGAAAAACAACCTCTA
CAGCCTACCTTAAAATTCACCAATAATTCAAAACCTTTCCAAATACGTGAGATCCCCAAAAAGAAAATA
GAAATACAGGAATAGTATTCGGGGCCATTTAGGTGCTATTCTGGGTGTCTCATTGCTTACTCTTGTGGG
CTACTTGTGTGTGAAAAAGGAAAACGGATTCAATTTCCCATCGGCGACTTTATGACGACAGAAATGAA
CCAGTTCTGCGATTAGACAATGCACCGAACCTTATGATGTGAGTTTTGGGAATTCTAGCTACTACAATC
CAACTTTGAATGATTCAGCCATGCCAGAAAGTGAAGAAAATGCACGTGATGGCATTCTATGGATGACAT
ACCTCCACTTCGACTTCTGTATGGAAC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC205071 representing NM_145650
Red=Cloning site Green=Tags(s)

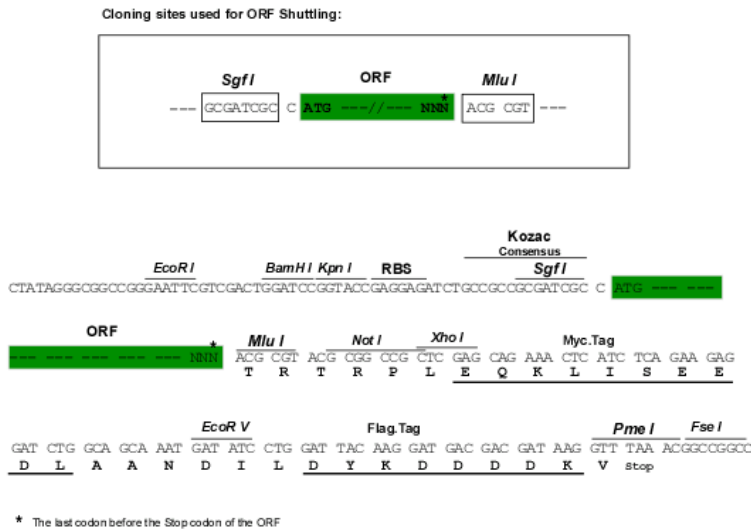
MLALAKILLISTLFYSLLSGSHGKENQDINTTQNI AEVFKTMENKPI SLESEANLNSDKENITTSNLKAS
HSPPLNLPNNSHGITDFSSNSSAEHSLGSLKPTSTISTSPPLIHSFVSKVPWNAPIADEDLLPISAH
PNA TPALSSNF TWSLVNDTVKTPDNSSITV SLSSEPTSPSVTPLIVEPSGWLTTNSDSFTGFIPYQEK
TTL QPTLKFTNNSKLF PNTSDPQKENRNTGIVFGAILGAILGV SLLTLVGYLLCGKRRKTD SFSHRRL
YDRNE PVLRLDNAPEPYDVSFGNSSYYNPTLNDSAMPESEENARDGIPMDIPLRTSVWN

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/ja1482_e12.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_145650

ORF Size: 1536 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_145650.4](#)

RefSeq Size: 2084 bp

RefSeq ORF: 1005 bp

Locus ID: 143662

UniProt ID: [Q8N387](#)

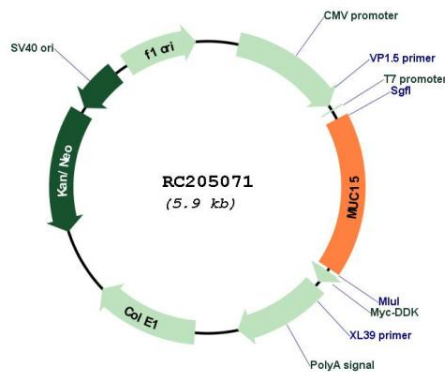
Cytogenetics: 11p14.2

Protein Families: Secreted Protein, Transmembrane

MW: 36.1 kDa

Gene Summary: May play a role in the cell adhesion to the extracellular matrix.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RC205071