

Product datasheet for **RG205071**

MUC15 (NM_145650) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: MUC15 (NM_145650) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: MUC15
Synonyms: MUC-15; PAS3; PASIII
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG205071 representing NM_145650
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTTGGCCTTAGCCAAAATTCTGTTGATTTCAACGTTGTTTTATTCACCTTCTATCGGGGAGCCATGGAA
AAGAAAATCAAGACATAAACACAACACAGAACATTGCAGAAGTTTTTAAAACAATGGAAAATAACCTAT
TTCTTTGGAAAGTGAAGCAAACCTAAACTCAGATAAAGAAAATAAACCACCTCAATCTCAAGGCGAGT
CATTCCCCTCCTTGAATCTACCCAACAACAGCCACGGAATAACAGATTTCTCCAGTAATCGTCAGCAG
AGCATTCTTTGGGCAGTCTAAAACCCACATCTACCATTTCCACAAGCCCTCCCTTGATCCATAGCTTTGT
TTCTAAAGTGCCTTGAATGCACCTATAGCAGATGAAGATCTTTTGCCCATCTCAGCACATCCCAATGCT
ACACCTGCTCTGTCTTCAGAAAACCTCACTTGGTCTTTGGTCAATGACACCGTGAAAACCTCTGATAACA
GTTCCATTACAGTTAGCATCCTCTCTTCAGAACCAACTTCTCCATCTGTGACCCCTTGATAGTGGAACC
AAGTGGATGGCTTACCACAAACAGTGATAGCTTCACTGGGTTTATCCCTTATCAAGAAAAACAACCTCTA
CAGCCTACCTTAAAATTCACCAATAATTCAAAACCTTTTCCAAATACGTCAGATCCCCAAAAAGAAAATA
GAAATACAGGAATAGTATTCGGGGCCATTTAGGTGCTATTCTGGGTGTCTCATTGCTTACTCTTGTGGG
CTACTTGTGTGTGAAAAAGGAAAACGGATTCAATTTCCCATCGGCGACTTTATGACGACAGAAATGAA
CCAGTTCTGCGATTAGACAATGCACCGAACCTTATGATGTGAGTTTTGGGAATTCTAGCTACTACAATC
CAACTTTGAATGATTCAGCCATGCCAGAAAGTGAAGAAAATGCACGTGATGGCATTCTATGGATGACAT
ACCTCCACTTCGTAATCTGTATGGAAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG205071 representing NM_145650
 Red=Cloning site Green=Tags(s)

MLALAKILLISTLFYSLLSGSHGKENQDINTTQNIAEVFKTMENKPISESEANLNSDKENITTSNLKAS
 HSPPLNLPNNSHGITDFSSNSSAEHSLGSLKPTSTISTSPPLIHSFVSKVPWNAPIADEDLLPISAH
 PNA TPALSSSEFTWSLVNDTVKTPDNSSITVSLSEPTSPSVTPLIVEPSGWLTTNSDSFTGFIPYQEK
 TTL QPTLKFTNNSKLFNTPSDPQKENRNTGIVFGAILGAILGVSLLLTVGYLLCGKRKTDSEFSHRRL
 YDDRNE PVLRLDNAPEPYDVSFGNSSYYNPTLNDSAMPESEENARDGIPMDDIPLRRTSVWN

TRTRPLE - GFP Tag - V

Restriction Sites:

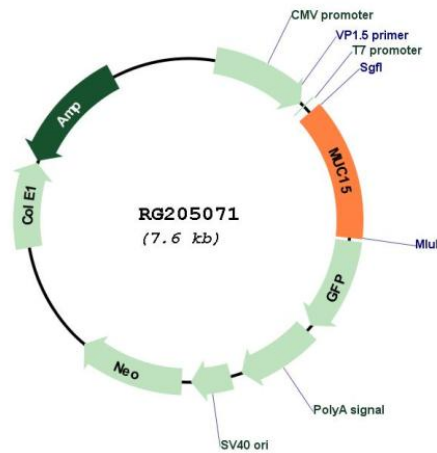
Sgfi-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



Plasmid Map:



ACCN: NM_145650

ORF Size: 1002 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:	<ol style="list-style-type: none">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_145650.2 , NP_663625.2
RefSeq Size:	2084 bp
RefSeq ORF:	1005 bp
Locus ID:	143662
UniProt ID:	Q8N387
Cytogenetics:	11p14.2
Protein Families:	Secreted Protein, Transmembrane
Gene Summary:	May play a role in the cell adhesion to the extracellular matrix.[UniProtKB/Swiss-Prot Function]