

Product datasheet for **RG238777**

MUC20 (NM_001291833) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MUC20 (NM_001291833) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	MUC20
Synonyms:	MUC-20
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RG238777 representing NM_001291833.
 Blue=ORF Red=Cloning site Green=Tag(s)

```

GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGGATCGCC
ATGGGCTGTCTCTGGGGTCTGGCTCTGCCCTTTTCTTCTGCTGGGAGGTTGGGGTCTCTGGGAGCTCT
GCAGGCCACGACCCCGCAGAGCAGACACTGCGATGACAACGGACGACACAGAAGTGCCCGCTATGACT
CTAGCACCGGGCCACGCCGCTCTGGAACTCAAACGCTGAGCGCTGAGACCTCTTCTAGGGCCTCAACC
CCAGCCGGCCCCATTCCAGAAGCAGAGACCAGGGGAGCCAAGAGAATTTCCCTGCAAGAGAGACCAGG
AGTTTCAAAAAACATCTCCCAACTTTCATGGTGTGATCGCCACCTCCGTGGAGACATCAGCCGCCAGT
GGCAGCCCCGAGGGAGCTGGAATGACCACAGTTCAGACCATCACAGGCAGTATCCCGAGGAAGCCATC
TTTGACACCTTTGCACCGATGACATCTCTGAAGAGGCAAAGACACTCACAATGGACATATTGACATTG
GCTCACACCTCCACAGAAGCTAAGGGCCTGTCTCAGAGAGCAGCGCCTTCCGACGGCCCCCATCCA
GTCATCACCCCGTACGGGCCTCAGAGAGCAGCGCCTTCCGACGGCCCCCATCCAGTCATCACCCCTCATGGTCCCG
TCACGGGCCTCAGAGAGCAGCGCCTTCCGACGGCCCCCATCCAGTCATCACCCCTCATGGTCCCG
GGATCTGACGTCCTCTCGCTGAAGCCTGGTACTGTACAAACATCGAGGTTATTAAATTGCAGC
ATCACAGAAACAACAACCTCCAGCATCCCTGGGGCCTCAGACATAGATCTCATCCCCACGGAAGGGTG
AAGGCCTCGTCCACTCCGATCCACCAGCTCTGCCTGACTCCACTGAAGCAAAACACACATCACTGAG
GTCACAGCCTCTGCCGAGACCCTGTCCACAGCCGGCACCACAGAGTCAGCTGCACCTCATGCCACGGTT
GGGACCCCACTCCCCTAACAGCGCCACAGAAAGAGAAGTGACAGCACCCGGGGCCACGACCCTCAGT
GGAGCTCTGGTACAGTTAGCAGGAATCCCCTGGAAGAAACCTCAGCCCTCTCTGTTGAGACACCAAGT
TACGTCAAAGTCTCAGGAGCAGCTCCGGTCTCCATAGAGGCTGGGTCAGCAGTGGGCAAAACAACCTCC
TTTGCTGGGAGCTCTGCTTCTCCTACAGCCCTCGGAAGCCGCCCTCAAGAACTTCACCCCTTCAGAG
ACACCGACCATGGACATCGAACCAAGGGCCCTTCCCCACAGCAGGGACCTCTTCTTCTGTCCCT
CCGACTACAACCAACAGCAGCCGAGGGCAGAACAGCACCTTAGCCAAGATCACAACCTCAGCGAAGACC
ACGATGAAGCCCCAACAGCCACGCCACGACTGCCCGGACGAGGCCACACAGACGTGAGTGCAGGT
GAAAATGGAGGTTTCTCCTCTGTGGTGTGAGTGTGGCTTCCCCGGAAGACCTCACTGACCCAGAGTG
GCAGAAAGGCTGATGCAGCAGCTCCACCGGAACTCCACGCCACGCGCCTCACTCCAGGTCTCCTTA
CTGCGTGTGAGGAGGC
ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTAAAC
  
```

Protein Sequence:

>Peptide sequence encoded by RG238777
 Blue=ORF Red=Cloning site Green=Tag(s)

```

MGCLWGLALPLFFCWEVGVSGSSAGPSTRADTAMTTDDTEVPAMTLAPGHALETQTLSAETSSRAST
PAGPIPEAETRGAKRISPAARETSFTKSPNFMVLIATSVETSAASGSPEGAGMTTVQITIGSDPEEAI
FDLCTDDIIEEAKLTMDILTLAHTSTEAKGLSESSASSDGHVPVITPSRAESSASSDGHVPVITP
SRASESSASSDGHVPVITPSWSPGSDVTLLEALVTNIEVINCITETTTSSIPGASDIDLIPTEGV
KASSTSDPPALPDSTEAKPHITEVTASAETLSTAGTTESAAPHATVGTPLPTNSATEREVTPAGATLS
GALVTVSRNPLEETSALSVETPSYVKVSGAAPVIEAGSAVGKTSFAGSSASSYSPSEALKNFTPSE
TPTMDIATKGFPTSRDPLPSVPPTTTNNSRGTNSTLAKITTSKTTMKPPTATPTARTRPTDVSAG
ENGGFLLLWLVASPEDLTDPRVAERLMQQLHRELHAHAPHFQVSLLRVRRG
TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGEGTPEQGRMTNKMSTKGALTFSPYLLSHV
MGYGFYHFTYPSGYENPFLHAINNGGYNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPED
SVIFTDKIIRSNATVEHLHPMGDNDLDGSFTRTFLRDGGYYSSVVDSHMHFKSAIHPSILQNGGPMFA
FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV
  
```

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:


ACCN: NM_001291833

ORF Size: 1605 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).

RefSeq: [NM_001291833.1](#), [NP_001278762.1](#)

RefSeq Size: 2086 bp

RefSeq ORF: 1608 bp

Locus ID: 200958

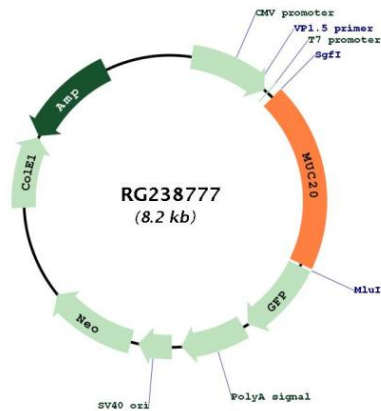
UniProt ID: [Q8N307](#)

Cytogenetics: 3q29

MW: 55.3 kDa

Gene Summary:

This gene encodes a member of the mucin protein family. Mucins are high molecular weight glycoproteins secreted by many epithelial tissues to form an insoluble mucous barrier. The C-terminus of this family member associates with the multifunctional docking site of the MET proto-oncogene and suppresses activation of some downstream MET signaling cascades. The protein features a mucin tandem repeat domain that varies between two and six copies in most individuals. Multiple variants encoding different isoforms have been found for this gene. A related pseudogene, which is also located on chromosome 3, has been identified. [provided by RefSeq, Apr 2014]

Product images:


Circular map for RG238777