

Product datasheet for **MC206436**

Muc20 (BC026367) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Muc20 (BC026367) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Muc20
Synonyms:	MGC31081
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >BC026367
 CCGACGCGTGGGTGACCCACGCGTCCGGTCAGGGCCAGGCACGATGGGCTCTGTCTGGGGCCTGGCTGT
 GCCCCTCCTTGTCTTCTGCTGGAAGTTGGCGTCAGTGTGAGCTCTCCAGGTCTCGACATTAGCAGATCA
 GTTCCTTTGGTGACAACCAACAACATGGAAGTGTCCACCTTCACTCAAAGGGACAGGCCAGCTCAGAGA
 GAGCTTTCCAGACCACCAACCTGATTAGTATGTACCTTAGACACGCAAACCTCTCAGCACTGAATCTGC
 TTCTAATGCTTTAAGTGCAACTAGTATCAGTTCAGAGGTCAATCCAGAGACACTCAGACCACCTCTTTT
 GTAACAAAGACCAGGAAGACACATACTACCACCTCTGCAGCATCATCCCTAGAGGCCAGACCACCTCTC
 CTAATTTGTCAACCCCTGAATATTCAGATTACCTCCCAATAGCATCGTCCCTGGATGCTCAGACCATTTT
 TCCTGTATCATTATCCCTGAGTACCCAGACCCTTCTCCTGCACCATCATTCTGGATACCCAAACCACT
 TCCCCTGAACCATCATCTCTGACCACCTCCCCTGCACCATCATCTCTGATCACTTCTCCTACTCCATCAT
 CTCTAACTACATCCCCTGCACCATCATTCTGGATACCCAGACCCTCCCCTGCACCATCATCTCTGAC
 CACTTCCCCTGCACCATCATCCCTAGATACCCAGACCCTCACCTATTGAATTGACCCTAAAGACCCAA
 ACCATTTCCACTGTAACGGAGACCAGAACGGTTTCAATAAGAATACCTTCTGACCTCACGGTTATGCACA
 CCATCCCTACAGAGACATTGGCACCAAGCAACAGCCCCAGAACTGGGATGAGCACTGTCCAACTGGCAC
 AGTGTGGGACTCCATAGAAGCCGCTTTTGACACCCTTTGTACCGATGACAGCTCTGAAGAGCAAGGAAG
 ATCACAGTTGACCTCCTGACGTTGGCACACACCTCCACGGAAGTGGAGTACCTGTCTTCAGAGAGCAGCT
 CTTCTCTGACAGTTCAGCTGGGGTCTCAGCAGCTCACGAGTCTGGGACCCGACAGTGAACCTCCAGC
 CAAGGGGTTGGTTGCCTTCAACATCACTCATATTAACACTCAGCAACTGCATCACAGAAATAGAAACAAC
 ATCACCATCTCTGGGGCCCCAGGCGGAGCCTCAGCCCTACAGAAAGCGACGGCAGCTTTGTTCACTTCTG
 AGATATTAACCTTGCCTCCACCCACTGAGGCAAAACCAATTTTCCCGGAGACCACAAGCTTATCTGGGAT
 CCTGTCAACTGCTGGCACCCCGGCCCTTCCACCACCTTGGAGGGACAGTCTCCACTAGTGAATCACA
 GAAAGCGAAACAGCAGTGGCCAGACTTTACCTCTGTTGGAACCTCGGTGACAGTTAGAAGGAACCCCC
 TGGAAAACACTTCAACACTCTCTATTGAGACACAAGCCACACTGAGGTCTTGGGCACCATCACAGTCCC
 CATGGTTGCTGGATCAACAATGGGAGAAGCAGCCTCCTTCGTGAGTTTACGGCTCTCGACAGCAGCAGT
 CTCTCAGTGGTGGTACCACCGAGAGCTCTGCTACCTCAGAGACTTAAACCACAGGCAATACAACCAACA
 GCTCCTTCTCACAGAGACCACCTCCTTTTTTCTATCTATTCAACTACAGCTAGCACCAGCAAAAACCC
 AAACATCACCTTAACCAAGACCACAGCCTCACCAAGCCCCGACGCATCTACAACATCTGCATCCACT
 GCTTGGATAAGGAAAACCACAAAACATGATCCAGGTGAAGATGGAGGCTTCTCCTTGTACGGCTGACCG
 TGGCCTCCCTAAGGACCTCACTGAGCACAACGCCAGAGAGAAGCTGATGAACCAGCTCCGCCGTGAAC
 GCACGCCCGCATGCCACTTGTCCACATGCTTCTCTGAGCATCAGGAGGGGTTGAGGAATGCTAGTGCA
 ACCAGGCATGGCCTCTGTGCCAGAAGAAGGTGATGCCACCGAGGCCAAACGCTACCAACAGACCACAG
 CCACAGTTCTGTGCTATGGACTCCAAGTTTCTCATGAAGGCCAGCTGGCTCGAGAGCCCTCCCCATAC
 CTGACCACAAGACCTTGGTCCACTTATGCCTGAGTGTATGTGCAAGGGGAGGGGCTGACCTCTTTTCAGA
 GATGTCCTCACATCCTCTGCCTGGTTATTGTATTTCGGTAAAGGGAGACCTGATCAAAAAAAAAAAAAA AAAAAAAAAAAAAA

Restriction Sites: RsrII-NotI

ACCN: BC026367

Insert Size: 1851 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

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: [BC026367](#), [AAH26367](#)

RefSeq Size: 2324 bp

RefSeq ORF: 1851 bp

Locus ID: 224116

Cytogenetics: 16 B3

Gene Summary: May regulate MET signaling cascade. Seems to decrease hepatocyte growth factor (HGF)-induced transient MAPK activation. Blocks GRB2 recruitment to MET thus suppressing the GRB2-RAS pathway. Inhibits HGF-induced proliferation of MMP1 and MMP9 expression (By similarity).[UniProtKB/Swiss-Prot Function]