

Product datasheet for **RN215405**

Mug2 (NM_001002826) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Mug2 (NM_001002826) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Mug2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>RN215405 representing NM_001002826 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGCATCGCC**

ATGTGGAAGAATAGAGAGGCTCAGCTGTGCCTTTTTTCAGTTCTGCTTGCTTTCCTACCTTCTGCTTCCT
TACTCTTTGGAATTCGAAGTATATGGTCTGGTCCCTTCCCAGCTCTACACCGAGACCCCTGAGAAAAT
CTGCCTGCATCTATACCATCTGAATGAGACAGTGACTGTGACAGCTTCTTGATATCTCAAAGGGGAACG
AGAAAAGTGTTCGATGAGCCTGTGGTTGACAAGGACTTGTCCACTGTGTTTCCTTCATCCCTAGATTGC
CCTCTTCTGAAGAGGAGGAGTCACTCGACATCAACATTGAAGGGGCAAAGCATAAATCAGCAAAAGGCA
TGTGGTGTCTGTGAAGAACAAGAAAGTGTGTCTTTGTCCAGACTGATAAGCCCATGTACAAGCCAGGA
CAGTCAGTTAAATTTTCGGTTGTCTCTATGGATAAAAAATCTATACCCCTGAAGGAGTTGGTGCAGGATC
CGAAAATGAACCGAATTATGCAGTGGCAAGACGTTAAGACTGAGAATGGGCTTAAGCAACTGTCTTCAG
CCTGTCAGCAGAGCCATTACAGGCCCCACAAGATAGTGGTTCTCAAACAGTCAGGAGTGAAGGAAGAG
CATTCTTCACCGTCATGGAATTCGTGCTTCCAGATTTGGTGTGATGTGAAGTTCCAACGCCATCT
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TGTAAGGTAAGACTTTGCCATGGAATCCGTCTTTAGCTCTGAGACAAAGTCTGCATGCAAGAAGAG
AACTCCCAGCTAGACAACAATGGCTGCAGCACACAAGAAGTGAACATCACTGAGTTCCAATTAAGGAAA
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GTCATGGCCAGGACGATCCTCCAGACTGGAACCACTCATCAAGTGGAGTCAGGAGTCCAGTAC
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CATCTTGCTGATGGAGAAGTGATTGCAGACTCTGTAAGTTTCAAGTTGAAAAATGTCTTCGCAACAAA
 GTGCACCTGAGCTTCAGCCCATCCCAAAGTCTTCAGCCTCACAAACCATATGCGGGTTACAGCTTCTC
 CTCAGTCCCTCTGTGGACTGAGAGCTGTGGACCAAGCGTGCTGCTGAGGCCGTGAGGCTGAGCTCTC
 CCCTTCCTTGATATATGATCTACCAGGTATGCAAGACAGCAACTTCATTCCACGTTCCACCATCCATTT
 GAAGACGAAGATGACTGTTTGATGTACCAACCAAGAGACACTGAAGAGCTCAGTACTCAGTACCATATG
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 CAGCCATAAAAAATACACAAAATCTTATCCAAATGCCCTATGGCTGTGGGAGCAGAACATGGTCTTTT
 TGCTCCAAACATCTATGTTCTGAAATATCTGAATGAAACCAACAGCTGACAGAGAATATCAAGTCCAAG
 GCCCTTGGCTACCTCAGAGCTGGTTATCAGAGAGAGCTGAACTACAAACACAAGGATGGCTCCTACAGTG
 CCTTTGGGATCACAATGGCCAGGTCAGGAAACACTTGGCTCACAGCCTTTGTGCTCAATCTTTTGC
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 CAGAAGGACAGTGGCTGCTTCCAGAGCTCCGGATCACTGTTCAACAATGCCATGAAGGGGGAGTCGATG
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 AGCCCTGGGCTGCCTAGAGGCATCTTGGGAGACCATAGAGCAAGGAAGAAATGGCAGCTTTGTGTACACA
 AAGGCACTGATGGCCTATGCTTTCACTCTTGGGGAACAGGAGAAAAGAAACGAAATCCTGAAATCCC
 TTGATAAGGAAGCTATAAAGGAAGATAACTCCATCCACTGGGAAAGACCTCAGAAACCATGAAATCAGA
 GCACTATCTGTACACACCCAGGCTTCTTCTGTTGAAGTAGAGATGAGTGCCTATGTTGTCTTAGCTCGC
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 CTTGGAGAAGCAGCAGCTGCGTTTGTCTAAAGGTGAAGACCGTACCCCTGACTTGTAAACACCCCAAA
 GGCCAGAACAGCTTCCAGATCTCACTAGAAATCAGTTACACGGGGAGCCGTCCAGCCTCCAACATGGTGA
 TTGCCGATGTGAAGATGCTCTCTGGTTTCATCCCATGAAACCAACAGTGAAGAAGCTTGAAGATTAGA
 GCACGTGAGCAGAACAGAAGTGACCACCAACAACGTCTGTTATATTTGGACCAGGTAACCAATCAGACA
 CTGTCTTCTCTTCATCATTCAACAAGACATCCAGTAAAGAACCTGCAGCCTGCCATTGTGAAAGTGT
 ATGACTACTATGAGACAGATGAAGTGGCTTTTGTGTAATATAGCAGCCCTGCAGCTCAGACAAACAAAA
 TGTTTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001002826
Insert Size: 4347 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:	<u>NM_001002826.1</u> , <u>NP_001002826.1</u>
RefSeq Size:	4347 bp
RefSeq ORF:	4347 bp
Locus ID:	408236
UniProt ID:	<u>Q6IE52</u>
Cytogenetics:	4q42
Gene Summary:	member of the alpha 2 macroglobulin family [RGD, Feb 2006]