

Product datasheet for **RR206236**

Mug1 (NM_023103) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Mug1 (NM_023103) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Mug1
Synonyms:	A1i3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RR206236 representing NM_023103 Red =Cloning site Blue =ORF Green =Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGATCGCC

ATGAAGAAGAATAGAGAGGCTCAGCTGTGCCTTTTTCAGCTCTTCTGCCTTCCTGCCCTTTGCTTCCT
 TGCTCAATGGAACTCGAAGTATATGGTCTGGTCCCTTCCCAGCTCTACACCGAGACCCCTGAGAAAAT
 CTGCCTGCATCTATACCATCTGAATGAGACAGTGACTGTGACAGCTTCTTGATATCTCAAAGGGGAACG
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ATTGTTTTCCACTACCTGGTCATGGCCCAGGGCAGCATCCTCCAGACTGGAAACCACACTCATCAAGTGG
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ACGCGTACGCGGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
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Protein Sequence: >RR206236 representing NM_023103
 Red=Cloning site Green=Tags(s)

MKKNREAQLCLFSALLAFLPFASLLNGNSKYMVLVPSQLYTETPEKICLHLYHLNETVTVTASLISQRGTRKLFDELVDKDLFHCLSFITIPRLPSSEEEESLDINIEGAKHKFSERRVVLVKNKESVVFVQTDKPVYKPGQSVKFRVVSMDKNLHPLNELFPLAYIEDPKMNRIMQWQDIKTENGLKQLSFSLSAEPIQGPYKIVILKQSGVKEEHSFTVMEFVLPFRFGVDVKVPNAISVYDEIINVTACAIYTYGKVPVGHVKISLCHGNPFSFSETKSACKEEDSELNNGCSTQEVNITEFQLKENYLKMHQAFHVNATVTEEGTGEFSGSGRIEVERTRNKFLFLKADSHFRHGIPIFFVKIRLVDIKGDIPINEQVFIKAQEAGYTNATTTDQHGLAKFSIDTSSISGYSLNKVVHKEESSCIHSSCTAERHAEHHHTAYAVYSLSKSYIYLDTEAGVLPNCNIHTVQAHFILKGQVLGVLPQIVFHYLVMAQGSILQTGNHHTQVEPGVSQVQGNFALEIPVEFSMPVPAKMLIYITILPDGEVIADSVTFQVEKCLRNKVLHLSFSPSQSLPASQTHMRVTASQSLCGLRAVDQSVLLLKPEAELSPSLIYDLPGMQDSNFI PSSYHPFEDEYDCLMYQPRDTEELTYSVPYGREKDVYRYVRDMGLTAFTNLKIKHPTYCYEMNMVLSAPAVESELSPRGGEFEMMPLGVNKSPLPKEPPRKDPKDPVIETIRNYFPETWIWDLVTVNSSGVTEVEMTVPDTITIEWKAGALCLSNDTGLGLSSVATLQAFQPFVVELTMPYSVIRGEAFMLKATVMNYLPTSLPMAVQLEASPDFTAVPVGNDQDSYCLGANGRHTSSWLVTPKSLGNVNFVSVEAQSQSPELCGSQVATVPETGRKDTVVKVLIVEPEGIKKEHTFSSLLCASDAELSETLSLLLPTTVVKDSARAHFSVMGDILSSAIKNTQNLIQMPYGCGEQNMVLFAPNIYVLKYLNETQQLTEKIKSKALGYLRAGYQRELNKHKDGSYSFAFDHNGQGQNTWLTAFVLKSFAQARAFIFIDESHITDAFTWLSKQKQDSCGFRSSGSLFNAMKGGVDEITLSAYITMALLESSLPTDPPVSKALGCLEASWETIEQGRNGSFVYTKLMAYAFALAGNQEKRNEILKSLDKAIREDNSIHWERPQKPTKSEGYLYTPQASSAEVMSAYVVLARLTAQPAPSPEDLALSMGTIKWLTQQNSHGGFSSTQDVTVALDALSKYGAAFTSKSQKTPLVTIQSSGSFSQKFQVDNSNRLLQLQVSLPDIPGNVTVSVSGEGCVYAQTTLRYNMPLKQQPFAFKVQTVPLTCNNPKGQNSFQISLEISYTGSRPASNMVIADVKMLS GFIPLKPTVKKLERLEHVSRTVTTNNVLLYLDQVTNQTLSFSFIIQQDIPVKNLQPAIVKYVYDYETDEVAFAEYSSPCSSDKQNV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:

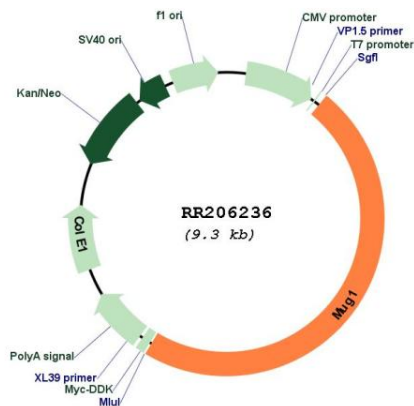


ACCN: NM_023103

ORF Size: 4461 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_023103.1 , NP_075591.1
RefSeq Size:	4620 bp
RefSeq ORF:	4464 bp
Locus ID:	497794
UniProt ID:	Q03626
Cytogenetics:	4q42
MW:	165.3 kDa
Gene Summary:	a plasma proteinase inhibitor involved in acute phase inflammatory response [RGD, Feb 2006]

Product images:



Circular map for RR206236