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Product datasheet for RR205512

Mael (NM_001108857) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Mael (NM_001108857) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Mael
Synonyms:	RGD1309333
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RR205512 representing NM_001108857 Red=Cloning site Blue=ORF Green=Tags(s) TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCCGCGATCGCC ATGCCCAACCGCAGGGCCAGCCGCAATGCCTACTATTTCTTCGTACAGGAGAAGATTCCCGAACTGCGCC GGCGAGGCCTGCCGGTGGCCCGCGTGGCAGACGCCATCCCCTACTGCTCGGCCGACTGGGCGCTCCTGAG GGAGGATGAGAAGGAGAAATACTCAGAAATGGCTCGAGAGTGGAGAGCAGCCCAGGGAAAGGATTCTGGG CCTTCAGAGAAGCAGAAACTCGTATCCACACCACTGAGGAGGCCAGGCATGCTTGTACCAAAACCAAGTG TTTCTCCCCCTGATATGTCAAATTTATCTATAAAAAGTGATCAAGCTCTCCTTGGAGGTGTTTTTTATTT TCTGAATATTTTTAGCCATGGTGAGCTACCTCCTCATTGTGAACAGCGCTTCCTCCCTTGTGAAATTGGC TGTGTCAAATATTCCCTCCAGGAAGGTATTATGGCAGATTTCCACAGCTTTATCAATCCAGGTGAAATTC CACGAGGATTTCGGTTCCATTGCCAGGCTGCAAGTGATTCTAGTCACAAAATTCCTATTTCAAACTTTGA ATTCGGGCATGACCAAGCAACTGTGCTACAAAACCTCTATAAATTTATTCACCCAAACCCAGGGAACTGG CCACCTATTTACTGCAAGTCTGATGACAGAGCCAGAGTCAACTGGTGTTTGAAGCGTATGGAGCGGGCAT CAGAAATAAGGCAAGATCTAGAACTTCTCACTGTAGAGGACCTTGTAGTGGGAATCTACCAGCAAAAATT CCTCAAGGAGCCCTCTAAAACCTGGGTTCGAAGCCTCCTAGATGTGGCCATGTGGGACTATTCTAGCAAC ACGAGGTGCAAGTGGCATGAAGAAAATGATATTCTCTTCTGTGCTTTAGCTGTTTGCAAGAAAATCGCGT ACTGCATCAGTAATTCTCTGGCCACTCTCTTTGGAATCCAGCTCACTGGAGCTCATGTACCACTACAAGA CTATGAGGCCAGCAATAGTGTGACACCCAAAATGGTTGTATTAGATGCAGGGCGGTACCAGAAACTAAGA GTTGAGAGTCCAGGATTCTGTCATTTCAACTCTTACAATCAGGAACAAAGATCAAACTCATCTACTGGTT ATTACCCATCTGGGGTGAAAATTTCGGGCTCGAACAGCAGCGTTCGAGGAAGAGGGATTACCCGCTTACT AGAGAGCATCTCAAACTCCTCTAACAACATCCACAGATTCTCCAACTGTGAGGCCTCACTCTCACCTTAC ATGCCCCAAAAAGATGGGTACAAACCTTTTTCCTCCTTTTCG ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT ACAAGGATGACGACGATAAGGTTTAA

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Protein Sequence:

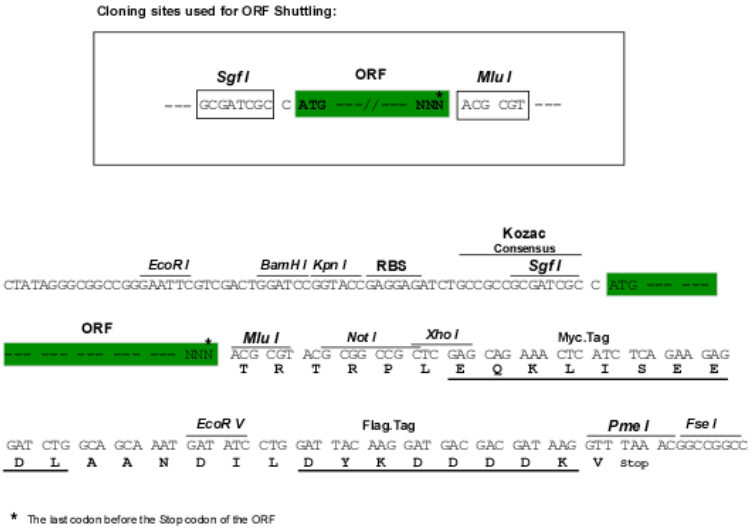
>RR205512 representing NM_001108857
Red=Cloning site Green=Tags(s)

MPNRRASRNAYYFFVQEKIPELRRRGLPVARVADAIPYCSADWALLREDEKEKYSEMAREWRAAQGKDSG
PSEKQKLVSTPLRRPGMLVPKPSVSPPDMSNLSIKSDQALLGGVFYFLNIFSHGELPPHCEQRFLPCEIG
CVKYSLQEGIMADFHSFINPGEIPRGFRFHCQAASDSSHKIPISNFEFGHDQATVLQNLYKFIHPNPGNW
PPIYCKSDDRARVNWCLKRMERASEIRQDLELLTVEDLVVGIYQQKFLKEPSKTWVRSLLDVAMWDYSSN
TRCKWHEENDILFCALAVCKKIAYCISNSLATLFGIQLTGAHVPLQDYEASNSVTPKMVVLDAGRYQKLR
VESPGFCHFNSYNQEQRSNSSTGYYPSGVKISGSNSSVRGRGITRLLESISNSSNNIHRFSNCEASLSPY
MPQKDGYKPFSSFS

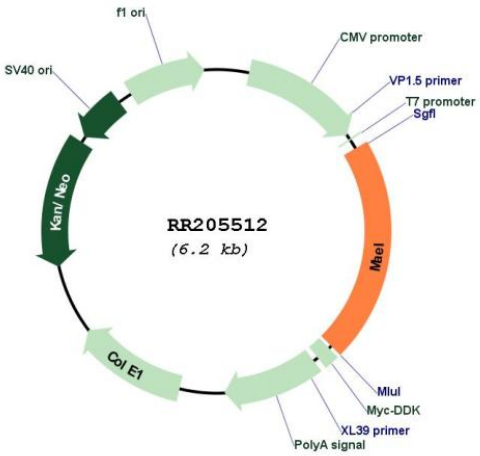
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001108857

ORF Size:	1302 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_001108857.1, NP_001102327.1
RefSeq Size:	1559 bp
RefSeq ORF:	1305 bp
Locus ID:	364039
Cytogenetics:	13q23
MW:	49.3 kDa