

Product datasheet for RC222612

MAGEC3 (NM_177456) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MAGEC3 (NM_177456) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	MAGEC3
Synonyms:	CT7.2; HCA2; MAGE-C3; MAGEC4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC222612 representing NM_177456 Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTGAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGCATCGCC

ATGCTCTCTTTCCAAACCTTCCACGCCTCAGCTTTGAGGAAGACTTCCAGAACCCGAGTGTGACAGAGG
 ACTTGGTAGATGCACAGGATTCCATAGATGAGGAGGAGGAGGATGCCTCCTCCACTTCTCTTCTCTTT
 CCACTTTTATCCCTCCTCCTTCTTGTCTCATCCTCACCTTGTCTCACCTTACCCTCTACT
 CTCATTCTGGGTGTTCCAGAAGATGAGGATATGCCTGCTGCTGGGATGCCACCTTCTCCAGAGTCTCT
 CTGAGATTCTCCCGAGGTCTCCCAAGATCTCTCCCGAGGTCTCCGAGAGTCTCCCGAGAGTCC
 TCTAGACTCCTGCTCATCCCTCTTTGTGGACCCGATTGGATGAGGAGTCCAGCAGTGAAGAGGAGGAT
 ACAGCTACTTGGCATGCCTTGCCAGAAAGTGAATCCTTGCCAGGTATGCCCTGGATGAAAAGGTGGCTG
 AGTTGGTGCACTTTCTTCTCCTCAAATATCAAACAAAAGAGCCTGTACAAAGGCAGAGATGCTGACGAC
 TGTCATCAAGAAGTATAAGGACTATTTCCCATGATCTTCGGGAAAGCCCATGAGTTCATAGAGCTAATT
 TTTGGCATTGCCCTGACTGATATGGACCCGACAACCACTCTATTTCTTTGAAGACACATTAGACCTCA
 CCTATGAGGGAAGCCTGATTGATGACAGGGCATGCCAAGAAGTGTCTCCTGATTCTTATTCTCAGTAT
 GATCTTCATAAAGGCGAGCTGTGTCCCCGAGGAGGTCTCTGGGAAGTGTGAGTGCAATAGGGGTGTGT
 GCTGGGAGGGAGCACTTTATATATGGGGATCCAGAAAGCTGCTCACTATACATTGGGTGCAGAGAAAGT
 ACCTGGAGTACCGGAGGTGCCCAACAGTCTCTCCACGTTATGAATTTTGTGGGGTCCAAGAGCCCA
 TTCAGAGGCCAGCAAGAGAAGTCTTAGAGTTTTTATCCAAGCTATCCAGTATCATCCC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA


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Protein Sequence: >RC222612 representing NM_177456
 Red=Cloning site Green=Tags(s)

MPLFPNLPRLSFEEDFQNPSTEDLVDAQDSIDEEEDASSTSSSFHFLFPSSSSLSSSSPLSSPLPST
 LILGVPEDEDMPAAGMPPLPQSPPEIPPQGPPKISPQPPQSPQSPLDSCSSPLLWTRLDEESSSEED
 TATWHALPESESLPRYALDEKVAELVQFLLLKYQTKPEVTKAEMLTTVIKKYKDYFPMIFGKAHEFIELI
 FGIALTDMDPDNHSYFFEDTDLTYEGLIDDQGMKNCLLILILSMIFIKGSCVPPEEVIWEVLSAIGVC
 AGREHF IYGDPRKLLTIHWVQRKYLEYREVPNSAPPRYEFLWGPRAHSEASKRSLRVFIQAIQYHP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/ja1629_h12.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_177456

ORF Size: 1038 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_177456.2](#), [NP_803251.1](#)

RefSeq Size: 1707 bp

RefSeq ORF: 1041 bp

Locus ID: 139081

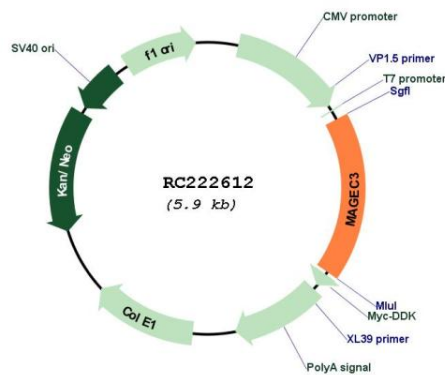
UniProt ID: [Q8TD91](#)

Cytogenetics: Xq27.2

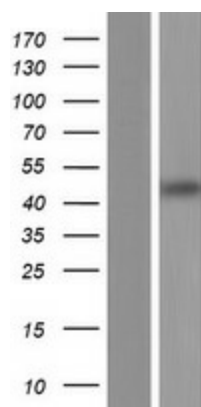
MW: 38.7 kDa

Gene Summary: This gene is a member of the MAGEC gene family. The members of this family are not expressed in normal tissues, except for testis, and are expressed in tumors of various histological types. The MAGEC genes are clustered on chromosome Xq26-q27. Two transcript variants encoding distinct isoforms have been found for this gene. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RC222612



Western blot validation of overexpression lysate (Cat# [LY406172]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC222612 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).