

Product datasheet for **RC202471**

MAGEA11 (NM_005366) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MAGEA11 (NM_005366) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	MAGEA11
Synonyms:	CT1.11; MAGE-11; MAGE11; MAGEA-11
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RC202471 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGAGACTCAGTTCGCGAGAGGGGTCTGGGGTGCAGCCCTGCCAGCATCAAGAGGAAGAAGAAGAGGG
 AGGACTCAGGAGACTTTGGACTCCAGGTGAGCACTATGTTCTCAGAGGACGACTTCCAGTCAACAGAAAG
 AGCCCCATATGGTCCACAACACTACAGTGGTCCCAGGATCTGCCAAGAGTCCAGGTTTTAGAGAACAGGCC
 AACCTGGAGGACAGGAGTCCCAGGAGAACCAGAGGATCACTGGAGGAGAACAAGTGCTGTGGGGCCCCA
 TCACCCAGATATTTCCACAGTTCGGCCTGCTGACCTAACAGAGTCATCATGCCTTTGAGCAAAGAAG
 TCAGCACTGCAAGCCTGAGGAAGGCCTTACGGCCCAAGAAGAAGACCTGGGCCTGGTGGTGCACAGGCT
 CTCCAAGCTGAGGACAGGAGGCTGCCTTCTTCTCTACTCTGAATGTGGGCACTCTAGAGGAGTTGC
 CTGCTGCTGAGTACCAAGTCTCCCAGAGTCTCAGGAAGAGTCTTCTCTCCACTGCCATGGATGC
 CATCTTTGGGAGCCTATCTGATGAGGGCTCTGGCAGCCAAGAAAAGGAGGGGCCAAGTACCTCGCCTGAC
 CTGATAGACCCTGAGTCCTTTCCCAAGATATACTACATGACAAGATAATTGATTTGGTTCAATTTATTGC
 TCCGCAAGTATCGAGTCAAGGGGCTGATCACAAGGCAGAAATGCTGGGGAGTGTATCAAAAATTATGA
 GGACTACTTTCTGAGATATTTAGGAAGCCTCTGTATGCATGCAACTGCTCTTTGGCATTGATGTGAAG
 GAAGTGGACCCCACTAGCCACTCCTATGTCCTTGTACCTCCCTCAACCTCTCTTATGATGGCATAACAGT
 GTAATGAGCAGAGCATGCCCAAGTCTGGCCTCTGATAATAGTCTGGGTGTAATCTTATGGAGGGGAA
 CTGCATCCCTGAAGAGTTATGTGGGAAGTCTGAGCATTATGGGGGTGTATGCTGGAAGGGAGCACTTC
 CTCTTTGGGAGCCCAAGAGGCTCCTTACCCAAAATTGGGTGCAGGAAAAGTACCTGGTGTACCGGCAGG
 TGCCCGGCACTGATCCTGCATGCTATGAGTTCCTGTGGGGTCCAAGGGCCACGCTGAGACCAGCAAGAT
 GAAAGTCTTGAGTACATAGCCAATGCCAATGGGAGGGATCCCACTTCTTACCCATCCCTGTATGAAGAT
 GCTTTGAGAGAGGAGGGAGGGAGT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC202471 protein sequence
 Red=Cloning site Green=Tags(s)

METQFRRGGLGCSPASIKRKKKREDSGDFGLQVSTMFSEDDFQSTERAPYGPQLQWSQDLPRVQVFREQA
 NLEDRSPRRTQRITGGEQVLWGPITQIFPTVRPADL TRVIMPLEQRSQHCKPEEGLQAQEEDLGLVGAQA
 LQAEEQEAFFSSTLNVGTLEELPAAESPSPQSPQEEFSPTAMDAIFGSLSDEGSGSQEKEGPSTSPD
 LIDPEFSQDILHDKIIDLVHLLLRKYRVKGLITKAEMLGSVIKNYEDYFPEIFREASVCMQLLFGIDVK
 EVDPTSHSYVLVTSNLNSYDGIQCNEQSMPSGLLIIVLGVIFMEGNCIPEEVMWEVLSIMGVYAGREHF
 LFGEPKRLLTQNWVQEKYL VYRQVPGTDPACYEFLWGPRAHAETSKMKVLEYIANANGRDPTSYPPLYED
 ALREEGEGV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mk6150_f02.zip

Restriction Sites:

SgfI-MluI

Cloning Scheme:


ACCN: NM_005366

ORF Size: 1287 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_005366.5](#)

RefSeq Size: 1892 bp

RefSeq ORF: 1290 bp

Locus ID: 4110

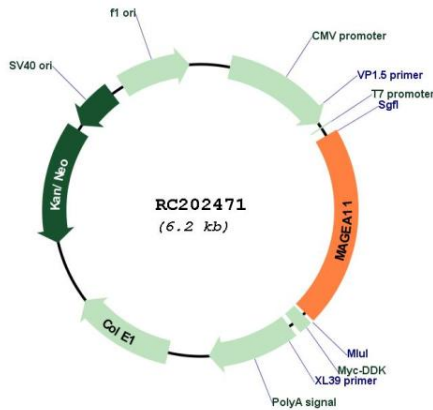
UniProt ID: [P43364](#)

Cytogenetics: Xq28

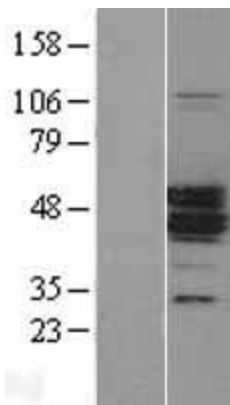
MW: 48.1 kDa

Gene Summary: This gene is a member of the MAGEA gene family. The members of this family encode proteins with 50 to 80% sequence identity to each other. The promoters and first exons of the MAGEA genes show considerable variability, suggesting that the existence of this gene family enables the same function to be expressed under different transcriptional controls. The MAGEA genes are clustered at chromosomal location Xq28. They have been implicated in some hereditary disorders, such as dyskeratosis congenita. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2008]

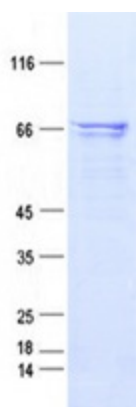
Product images:



Circular map for RC202471



Western blot validation of overexpression lysate (Cat# [LY401651]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC202471 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified MAGEA11 protein (Cat# [TP302471]). The protein was produced from HEK293T cells transfected with MAGEA11 cDNA clone (Cat# RC202471) using MegaTran 2.0 (Cat# [TT210002]).