

Product datasheet for RC215411

MAGEA9 (MAGEA9B) (NM_001080790) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MAGEA9 (MAGEA9B) (NM_001080790) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	MAGEA9
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC215411 representing NM_001080790 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTCTCTCGAGCAGAGGAGTCCGCACTGCAAGCCTGATGAAGACCTGAAGCCCAAGGAGAGGACTTGG
GCCTGATGGGTGCACAGGAACCCACAGGCGAGGAGGAGGAGACTACCTCCTCCTGACAGCAAGGAGGA
GGAGGTGTCTGCTGCTGGGTCACTAAGTCTCCAGAGTCTCAGGGAGGCGCTTCTCCTCCATTTCC
GTCTACTACACTTTATGGAGCCAATTCGATGAGGGTCCAGCAGTCAAGAAGAGGAAGAGCCAAGCTCCT
CGGTCGACCCAGCTCAGCTGGATTTCATGTTCCAAGAAGCACTGAAATTGAAGGTGGCTGAGTTGGTTCA
TTTCTGCTCCACAAATATCGAGTCAAGGAGCCGGTCCACAAAGGCAGAAATGCTGGAGAGCGTCATCAAA
AATTACAAGCGCTACTTTCTGTGATCTTCGGCAAAGCCTCCGAGTTCATGCAGGTGATCTTTGGCACTG
ATGTGAAGGAGGTGGACCCCGCGCCACTCCTACATCCTTGCACTGCTCTGGCCTCTCGTGCGATAG
CATGCTGGGTGATGGTCATAGCATGCCAAGGCCGCCCTCCTGATCATTGTCTGGGTGTGATCCTAACC
AAAGACAACCTGCGCCCTGAAGAGGTTATCTGGGAAGCGTTGAGTGTGATGGGGTGTATGTTGGGAAGG
AGCACATGTTCTACGGGGAGCCAGGAAGTCTCACCAAGATTGGGTGCAGGAAAACCTACCTGGAGTA
CCGGCAGGTGCCCGCAGTATCCTGCGCACTACGAGTTCCTGTGGGGTCCAAGGCCACGCTGAAACC
AGCTATGAGAAGTCCATAAATTATTTGGTCATGCTCAATGCAAGAGGCCATCTGCTACCCATCCCTTT
ATGAAGAGGTTTTGGGAGAGGAGCAAGAGGGAGTC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC215411 representing NM_001080790
Red=Cloning site Green=Tags(s)

MSLEQRSPHCKPDEDLEAQGEDLGLMGAQEPTGEEETSSSDSKEEEVSAAGSSPQPQGGASSIS
 VYYTLWSQFDEGSSSQEEEEPSSVDPAQLEFMFQEALKLKVAELVHLLHKYRVKEPVTKAEMLESVIK
 NYKRYFPVIFGKASEFMQVIFGTDVKEVDPAGHSYILVTALGLSCDSMLGDGHSMPKAALLIIVLGVILT
 KDNCAPPEEVIWEAL SVMGVYVVGKEHMFYGEPRKLLTQDWVQENYLEYRQVPGSDPAHYEFLWGSKAHAET
 SYEKVINYLVMNLNAREPICYPSLYEEVLGEEQEGV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/ja1519_b05.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_001080790

ORF Size: 945 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_001080790.1](#), [NP_001074259.1](#)

RefSeq Size: 1814 bp

RefSeq ORF: 948 bp

Locus ID: 728269

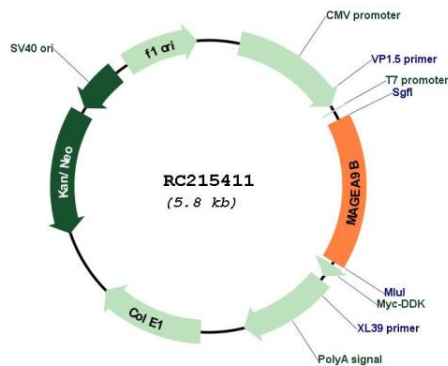
UniProt ID: [P43362](#)

Cytogenetics: Xq28

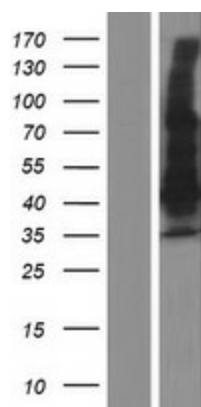
MW: 34.9 kDa

Gene Summary: MAGEA9B is a duplication of the MAGEA9 gene (MIM 300342) on chromosome Xq28. The 2 copies are separated by about 194 kb (Hartz, 2009).[supplied by OMIM, Mar 2009]

Product images:



Circular map for RC215411



Western blot validation of overexpression lysate (Cat# [LY421111]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC215411 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).