

## Product datasheet for **RC203288**

### **MAGEA3 (NM\_005362) Human Tagged ORF Clone**

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** MAGEA3 (NM\_005362) Human Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** MAGEA3  
**Synonyms:** CT1.3; HIP8; HYPD; MAGE3; MAGEA6  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**ORF Nucleotide Sequence:** >RC203288 representing NM\_005362  
**Red=Cloning site Blue=ORF Green=Tags(s)**

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGCTCTTGAGCAGAGGAGTCAGCACTGCAAGCCTGAAGAAGGCCTTGAGGCCGAGGAGAGGCCCTGG  
GCCTGGTGGGTGCGCAGGCTCCTGCTACTGAGGAGCAGGAGGCTGCCTCCTCCTTCTACTCTAGTTGA  
AGTCACCCTGGGGAGGTGCCTGCTGCCGAGTCACCAGATCCTCCCAGAGTCTCAGGGAGCCTCCAGC  
CTCCCCACTACCATGAACTACCCTCTCTGGAGCCAATCCTATGAGGACTCCAGCAACCAAGAAGAGGAGG  
GGCCAAGCACCTCCCTGACCTGGAGTCCGAGTCCAAGCAGCACTCAGTAGGAAGTGGCCGAGTTGGT  
TCAATTTCTGCTCCTCAAGTATCGAGCCAGGGAGCCGGTCAAAAAGCAGAAATGCTGGGGAGTGTGCTC  
GGAAATTGGCAGTATTTCTTCTGTGATCTTCAGCAAAGCTTCCAGTTCCTTGCAGCTGGTCTTTGGCA  
TCGAGCTGATGGAAGTGGACCCCATCGGCCACTTGACATCTTTGCCACCTGCCTGGGCCTCTCCTACGA  
TGGCCTGCTGGGTGACAATCAGATCATGCCAAGGCAGGCTCCTGATAATCGTCTGGCCATAATCGCA  
AGAGAGGGCGACTGTGCCCTGAGGAGAAAATCTGGGAGGAGCTGAGTGTGTTAGAGGTGTTGAGGGGA  
GGGAAGACAGTATCTTGGGGATCCCAAGAAGCTGCTCACCAACATTTCTGTCAGGAAAACCTACCTGGA  
GTACCGGCAGGTCCCGGCAGTATCCTGCATGTTATGAATTCCTGTGGGGTCCAAGGGCCCTCGTTGAA  
ACCAGCTATGTGAAAGTCTGCACCATATGGTAAAGATCAGTGGAGGACCTCACATTTCTACCCACCC  
TGCATGAGTGGTTTTGAGAGAGGGGAAGAG

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



[View online »](#)

**Protein Sequence:** >RC203288 representing NM\_005362  
Red=Cloning site Green=Tags(s)

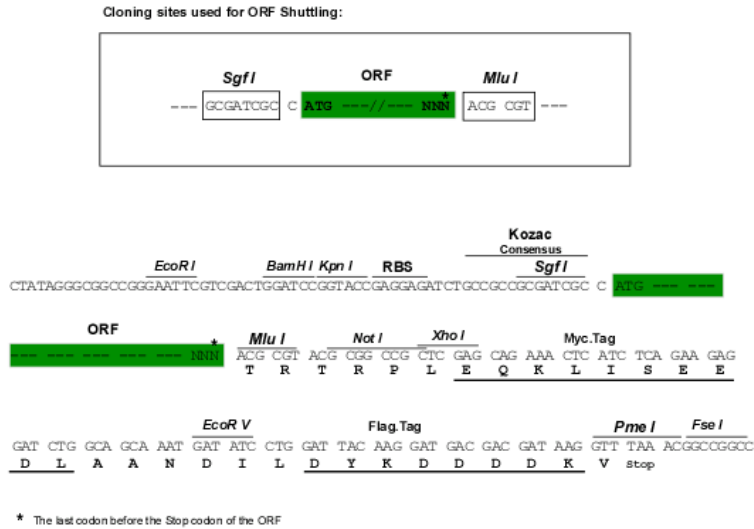
MPLEQRSQHCKPEEGLEARGEALGLVGAQAPATEEQEAASSSTLVEVTLGEVPAAESPDPPQSPQGASS  
 LPTTMNYPLWSQSYEDSSNQEEEGPSTFPDLESEFQAALSRKVAELVHFLLLKYRAREPVTKAEMLGSVV  
 GNWQYFFPVIFFSKASSLQLVFGIELMEVDPIGHLIYIFATCLGLSYDGLLDGNQIMPKAGLLIIVLAIIA  
 REGDCAPEEKIWEELSVLEVFEGREDSILGDPKLLTQHFVQENYLEYRQVPGSDPACYEFLWGPRLVE  
 TSYVKVLHHMVKISGGPHISYPPLHEWVLRGEE

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

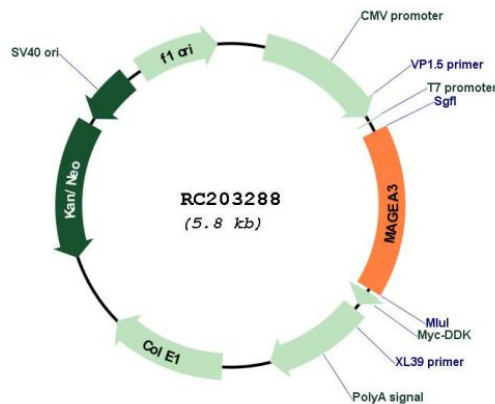
**Chromatograms:** [https://cdn.origene.com/chromatograms/mg3623\\_d01.zip](https://cdn.origene.com/chromatograms/mg3623_d01.zip)

**Restriction Sites:** Sgfl-MluI

**Cloning Scheme:**

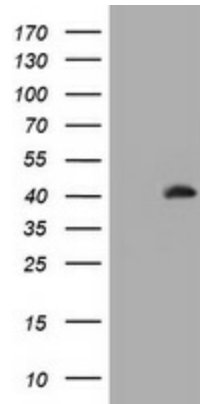


**Plasmid Map:**

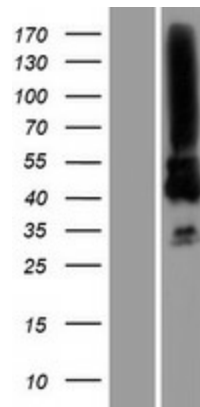


**ACCN:** NM\_005362

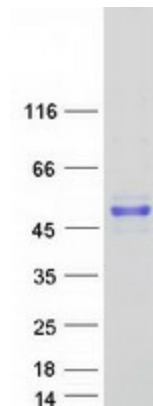
<b>ORF Size:</b>	942 bp
<b>OTI Disclaimer:</b>	<p>Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at <a href="mailto:custsupport@origene.com">custsupport@origene.com</a> or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>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. <a href="#">More info</a></p>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_005362.4</a>
<b>RefSeq Size:</b>	1753 bp
<b>RefSeq ORF:</b>	945 bp
<b>Locus ID:</b>	4102
<b>UniProt ID:</b>	<a href="#">P43357</a>
<b>Cytogenetics:</b>	Xq28
<b>MW:</b>	34.6 kDa
<b>Gene Summary:</b>	<p>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. [provided by RefSeq, Jul 2008]</p>

**Product images:**


HEK293T cells were transfected with the pCMV6-ENTRY control (Cat# [PS100001], Left lane) or pCMV6-ENTRY MAGEA3 (Cat# RC203288, Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-MAGEA3 (Cat# [TA800826]). Positive lysates [LY417358] (100ug) and [LC417358] (20ug) can be purchased separately from OriGene.



Western blot validation of overexpression lysate (Cat# [LY417358]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC203288 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified MAGEA3 protein (Cat# [TP303288]). The protein was produced from HEK293T cells transfected with MAGEA3 cDNA clone (Cat# RC203288) using MegaTran 2.0 (Cat# [TT210002]).