

Product datasheet for **RG229867**

MAGEA12 (NM_001166387) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MAGEA12 (NM_001166387) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	MAGEA12
Synonyms:	CT1.12; MAGE12
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG229867 representing NM_001166387 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCCACTTGAGCAGAGGAGTCAGCACTGCAAGCCTGAGGAAGGCCTTGAGGCCAAGGAGAGGCCCTGG
GCTTGGTGGGTGCGCAGGCTCCTGCTACTGAGGAGCAGGAGACTGCCTCCTCCTCTACTCTAGTGGA
AGTCACCCTGCGGGAGGTGCCTGCTGCCGAGTCACCAAGTCTCCACAGTCTCAGGGAGCCTCCACC
CTCCCCACTACCATCACTATACTCTCTGGAGTCAATCCGATGAGGGCTCCAGCAACGAAGAACAGGAAG
GGCCAAGCACCTTTCCTGACCTGGAGACGAGCTTCCAAGTAGCACTCAGTAGGAAGATGGCTGAGTTGGT
TCAATTTCTGCTCCTCAAGTATCGAGCCAGGGAGCCATTACAAAAGGCAGAAATGCTGGGGAGTGTATC
AGAAATTTCCAGGACTTCTTTCCTGTGATCTTCAGCAAAGCCTCCGAGTACTTGCAGCTGGTCTTTGGCA
TCGAGGTGGTGAAGTGGTCCGCATCGGCCACTTGACATCCTTGTACCTGCCTGGGCCTCTCCTACGA
TGGCCTGCTGGGCGACAATCAGATCGTGCCCAAGACAGGCCTCCTGATAATCGTCTGGCCATAATCGCA
AAAGAGGGCGACTGTGCCCTGAGGAGAAAATCTGGGAGGAGCTGAGTGTGTTGGAGGCATCTGATGGGA
GGGAGGACAGTGTCTTTGCGCATCCAGGAAGCTGCTCACCAAGATTTGGTGCAGGAAAACCTGGA
GTACCGGCAGGTCCCGGAGTATCCTGCATGCTACGAGTTCCTGTGGGGTCCAAGGGCCCTCGTTGAA
ACCAGCTATGTAAAGTCTGCACCATTTGCTAAAGATCAGTGGAGGACCTCACATTTCTACCCACCCC
TGCATGAATGGCTTTTAGAGAGGGGAAGAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG229867 representing NM_001166387
 Red=Cloning site Green=Tags(s)

MPLEQRSQHCKPEEGLEAQGEALGLVGAQAPATEEQETASSSSTLVEVTLREVPAAESPSPHSPQGAST
 LPTTINYTLWSQSDGSSNEEQEGPSTFPDLETFSFOVALSRKMAELVHFLLLKYRAREPFTKAEMLGSVI
 RNFQDFFPVIFSKASEYLQLVFGIEVVEVVRIGHLYILVTCLGLSYDGLLDGNQIVPKTGLLIIVLAIIA
 KEGDCAPEEKIWEELSVLEASDGREDSVF AHPKRLLTQDLVQENYLEYRQVPGSDPACYEFLWGPRLAVE
 TSYVKVLHLLKISGGPHISYPPLHEWAFREGEE

TRTRPLE - GFP Tag - V

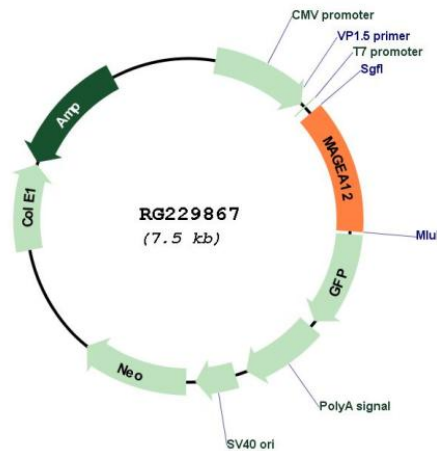
Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



Plasmid Map:



ACCN: NM_001166387

ORF Size: 942 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:	<ol style="list-style-type: none">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_001166387.4
RefSeq Size:	1784 bp
RefSeq ORF:	945 bp
Locus ID:	4111
UniProt ID:	P43365
Cytogenetics:	Xq28
Gene Summary:	This gene is closely related to several other genes clustered on chromosome X. These genes may be overexpressed in tumors. Multiple alternatively spliced variants encoding the same protein have been identified. [provided by RefSeq, Jun 2014]