

Product datasheet for **MG212171**

Magea1 (NM_020015) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Magea1 (NM_020015) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Magea1
Synonyms:	Mage-a1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG212171 representing NM_020015 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCTGACTCCCATAACACCCAATACTGCAGCCTCCAAGAGAGTGCTCAGGCCAACAGGAATTAGACA
ATGACCAGGAGACCATGGAGACATCAGAGGAGGAGGAAGATACCACCACCTCAAATAAAGTGTATGGCAG
TGGAAATACCAAGTCTCCAGAGTCTCAGAGAGCCTACTCTCCCTGTGTGGCACTGGCCTCCATCCCT
GATAGCCCATCTGAGGAAGCTTCCATCAAAGGATCAGGGGGCCTGGAAGACCCACTTTATTTGTTGCACA
ATGCACAGAACACAAAGGTGTATGACTTGGTGGACTTTCTGGTTTTAACTATCAAATGAAGGCATTAC
TACCAAAGCAGAAATGTTGGAAAGTATTGGTAGAGAGTATGAGGAGTACTACCCTCTGATCTTTAGTGAG
GCCTCTGAGTGCTTGAAGATGGTCTTTGGCCTTGACATGGTAGAAGTGGACCCCTCTGTCCACTCCTATA
TCCTTGTCACTGCCCTGGGGATCACCTATGATGGCATGATGACTGATGTCTGGGTATGCCAAAGACAGG
TATCCTCATAGCTGACTGAGTGTCAATTTTATGAAGGGAAACTATGTCAGTGAGGAGATTATCTGGGAA
ATGGTGAATAACATAGGATTGTGTGGTGGGAGGGATCCTTACATACATAAAGACCCAGGAAGCTCATCT
CTGAGGAGTTTGTGCAGGAAGGGTGCCTGAAATACAGGCAGGTGCCCAATAGTGATCCTCCTAGCTATGG
GTTCTGTGGGGCCAAAGGGCTTTTGCAGAAACCAGCAAAATGAAAGTCTTACAGTTTTTTGCCAGCATT
AATAAGACTCATCCAGAGCCTACCCTGAAAAGTATGCAGAGGCTTTGCAAGATGAGATAGACAGGACCA
AGGCCTGGATCTTGAACAGATGCTCCAACCTCCTGACCTGCTCACATTC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG212171 representing NM_020015
Red=Cloning site Green=Tags(s)

MADSHNTQYCSLQESAQAQQELDNDQETMETSEEEEDTTTSNKVYSGSIPSPQSPQRAYSPCVLASIP
 DSPSEEASIKGSGLEDPLYLLHNAQNTKVYDLVDFLVLNQMKAFTTKAEMLESIGREYEEYPLIFSE
 ASECLKMVFGLDMVEVDPSVHSYILVTALGITYDGMMDVLGMPKTGILIAVLSVIFMKGNYVSEEIWE
 MVNNIGLCGGRDPYIHKDPRKLI SEEFVQEGCLKYRQVPNSDPPSYGFLWGPRAFAETSKMKVLQFFASI
 NKTHPRAYPEKYAEALQDEIDRTKAWILNRCNSSSDLLTF

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_020015

ORF Size: 960 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_020015.2](#), [NP_064399.1](#)

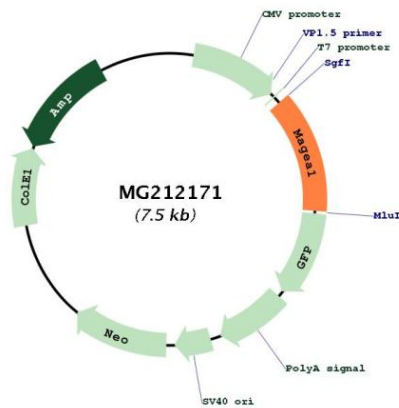
RefSeq Size: 1272 bp

RefSeq ORF: 963 bp

Locus ID: 17137

Cytogenetics: X 72.38 cM

Product images:



Circular map for MG212171