

Product datasheet for **SC318042**

MAGED2 (NM_014599) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MAGED2 (NM_014599) Human Untagged Clone
Tag:	Tag Free
Symbol:	MAGED2
Synonyms:	11B6; BARTS5; BCG-1; BCG1; HCA10; MAGE-D2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >SC318042 representing NM_014599.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCACGATCGCC
ATGTCTGACACAAGCGAGAGTGGTGCAGGTCTAACTCGCTTCCAGGCTGAAGCTTCAGAAAAGACAGT
AGCTCGATGATGCAGACTCTGTTGACAGTGACCCAGAATGTGGAGTCCCAGAGACACCGAAGGCCTCA
AAGGCACTGGAGGTCTCAGAGGATGTGAAGGTCTCAAAAGCCTCTGGGGTCTCAAGGCCACAGAGGTC
TCAAGAGCCCCAGAGGCTCGGGAGGCACCTGCCACCCAGGCCTCATCTACTACTAGCTGACTGATACC
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CAGGAGACTGAGGCTGCACCTCTCAGGCCCCAGCAGATGAACCTGAGCCTGAGAGTGCAGCTGCCAG
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GCCCTAATGGCCTCAATGGCCCGCAGGCTTCAAGGGGTCCCATAGCCTTTTGGGCCCGCAGGGCATCA
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TGCAAGGTACAAAAGAAGGATCCCAAGGAATGGGCAGCTCAGTACCGAGAGGCGATGGAAGCGGATTTG
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CTCGGCTCGGAGAATGCTGCCGGGCCCTGCAACTGGGACGAAGCTGATATCGGACCCTGGGCCAAAGCC
CGGATCCAGGCGGGAGCAGAAGCTAAAGCCAAGCCCAAGAGAGTGGCAGTGCCAGCACTGGTGCCAGT
ACCAAGTACCAATAACAGTGCCAGTGCCAGTGCCAGCACCAGTGGTGGCTTCAGTGCTGGTGCCAGCTG
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GGTGCCTGTGTTTCTCCTACAAGTGA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
  
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Restriction Sites: Sgfl-MluI

ACCN: NM_014599

Insert Size: 1821 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

OTI Annotation: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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_014599.5](#)

RefSeq Size: 2108 bp

RefSeq ORF: 1821 bp

Locus ID: 10916

UniProt ID: [Q9UNF1](#)

Cytogenetics: Xp11.21

Domains: MAGE

MW: 65 kDa

Gene Summary: This gene is a member of the MAGED gene family. The MAGED genes are clustered on chromosome Xp11. This gene is located in Xp11.2, a hot spot for X-linked intellectual disability (XLID). Mutations in this gene cause a form of transient antenatal Bartter's syndrome. This gene may also be involved in several types of cancer, including breast cancer and melanoma. The protein encoded by this gene is progressively recruited from the cytoplasm to the nucleoplasm during the interphase and after nucleolar stress and is thus thought to play a role in cell cycle regulation. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jul 2017]

Transcript Variant: This variant (1) differs in the 5' UTR, compared to variant 2. Variants 1, 2, and 3 encode the same protein.