

Product datasheet for **SC319046**

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-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_014599.4
 CCGAGTTTCGGAGGGGCTTGGAGTGAGTGGACGCACTCGGGAATTGTAGGAGGACGAGGC
 TCAGCTCTTGCCAGGCCAAATTGAGACATGTCTGACACAAGCGAGAGTGGTGCAGGTCTA
 ACTCGCTTCCAGGCTGAAGCTTCAGAAAAGGACAGTAGCTCGATGATGCAGACTCTGTTG
 ACAGTGACCCAGAATGTGGAGGTCCCAGAGACACCGAAGGCCTCAAAGGCACTGGAGGTC
 TCAGAGGATGTGAAGGTCTCAAAAGCCTCTGGGGTCTCAAAGGCCACAGAGGTCTCAAAG
 ACCCCAGAGGCTCGGGAGGCACCTGCCACCCAGGCCTCATCTACTACTCAGCTGACTGAT
 ACCCAGGTTCTGGCAGCTGAAAACAAGAGTCTAGCAGCTGACACCAAGAAACAGAATGCT
 GACCCGCGAGGCTGTGACAATGCCTGCCACTGAGACCAAAAAGGTGAGCCATGTGGCTGAT
 ACAAAGGTCAATACAAAGGCTCAGGAGACTGAGGCTGCACCCTCTCAGGCCCCAGCAGAT
 GAACCTGAGCCTGAGAGTGCAGCTGCCAGTCTCAGGAGAATCAGGATACTCGGCCCAAG
 GTCAAAGCCAAGAAAGCCGAAAGGTGAAGCATCTGGATGGGGAAGAGGATGGCAGCAGT
 GATCAGAGTCAGGCTTCTGGAACACAGGTGGCCGAAGGGTCTCAAAGGCCCTAATGGCC
 TCAATGGCCCGCAGGGCTTCAAGGGTCCCATAGCCTTTTGGGCCCGCAGGGCATCAAGG
 ACTCGTTGGCTGCTTGGGCCCGAGAGCCTTGCTCTCCCTGAGATCACCTAAAGCCCGT
 AGGGGCAAGGCTCGCCGTAGAGCTGCCAAGCTCCAGTCATCCCAAGAGCCTGAAGACCA
 CCACCTCGGGATGTGGCCCTTTGCAAGGGAGGGCAATGATTTGGTGAAGTACCTTTTG
 GCTAAAGACCAGACGAAGATTCCCATCAAGCGCTCGGACATGCTGAAGGACATCATCAA
 GAATACACTGATGTGTACCCGAAATCATTGAACGAGCAGGCTATTCTTGGAGAAGGTA
 TTTGGGATTCAATTGAAGGAAATTGATAAGAATGACCACTTGTACATTCTTCTCAGCACC
 TTAGAGCCCACTGATGCAGGCATACTGGGAACGACTAAGGACTCACCAAGCTGGGTCTG
 CTCATGGTGCTTCTTAGCATCATCTTCATGAATGGAAATCGGTCCAGTGAGGCTGTCATC
 TGGGAGGTGCTGCGCAAGTTGGGGCTGCGCCCTGGGATACATCATTCACTCTTTGGGGAC
 GTGAAGAAGCTCATCACTGATGAGTTTGTGAAGCAGAAGTACCTGGACTATGCCAGAGTC
 CCAATAGCAATCCCCCTGAATATGAGTTCTTCTGGGGCCTGCGCTTCTACTATGAGACC
 AGCAAGATGAAAGTCCTCAAGTTTGCTGCAAGGTACAAAAGAAGGATCCCAAGGAATGG
 GCAGCTCAGTACCGAGAGGCGATGGAAGCGGATTTGAAGGCTGCAGCTGAGGCTGCAGCT
 GAAGCCAAGGCTAGGGCCGAGATTAGAGCTCGAATGGGCATTGGGCTCGGCTCGGAGAAT
 GCTGCCGGGCCCTGCAACTGGGACGAAGCTGATATCGGACCTGGGCCAAAGCCCGGATC
 CAGGCGGGAGCAGAAGCTAAAGCCAAAGCCCAAGAGAGTGGCAGTGCCAGCACTGGTGCC
 AGTACCAGTACCAATAACAGTGCCAGTGCCAGTGCCAGCACCAGTGGTGGCTTCAGTGCT
 GGTGCCAGCCTGACCGCCACTCTCACATTTGGGCTCTTCGCTGGCCTTGGTGGAGCTGGT
 GCCAGCACCAGTGGCAGCTCTGGTGCCTGTGGTTTCTCCTACAAGTGAGATTTTAGATAT
 TGTTAATCCTGCCAGTCTTTCTCTTCAAGCCAGGGTGCATCCTCAGAAACCTACTCAACA
 CAGCACTCTAGGCAGCCACTATCAATCAATTGAAGTTGACACTCTGCATTAATCTATTT
 GCCATTTCAAAAAAAAAAAAAAAAAAAAA

Restriction Sites: Please inquire

ACCN: NM_014599

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:	<u>NM_014599.4, NP_055414.2</u>
RefSeq Size:	2080 bp
RefSeq ORF:	1821 bp
Locus ID:	10916
UniProt ID:	<u>Q9UNF1</u>
Cytogenetics:	Xp11.21
Domains:	MAGE
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.