

Product datasheet for **SC314176**

MAGED2 (NM_177433) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
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)



Fully Sequenced ORF: >SC314176 representing NM_177433.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

GCTCGTTTAGTGAACCGTCAGAAATTTTGTAAACGACTCACTATAGGGCGGCCGGAATTCGTCGACTG
 GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
 ATGTCTGACACAAGCGAGAGTGGTGCAGGTCTAACTCGCTTCCAGGCTGAAGCTTCAGAAAAGGACAGT
 AGCTCGATGATGCAGACTCTGTTGACAGTGACCCAGAATGTGGAGGTCCCAGAGACACCGAAGGCCTCA
 AAGGCACTGGAGGTCTCAGAGGATGTGAAGGTCTCAAAGCCTCTGGGGTCTCAAAGGCCACAGAGGTC
 TCAAAGACCCAGAGGCTCGGGAGGCACCTGCCACCCAGGCCTCATCTACTACTCAGCTGACTGATACC
 CAGGTTCTGGCAGCTGAAAACAAGAGTCTAGCAGCTGACACCAAGAAACAGAATGCTGACCCGACAGGCT
 GTGACAATGCCTGCCACTGAGACCAAAAGGTGAGCCATGTGGCTGATACAAAGGTCAATACAAAGGCT
 CAGGAGACTGAGGCTGACCCCTCTCAGGCCCCAGCAGATGAACCTGAGCCTGAGAGTGCAGCTGCCAG
 TCTCAGGAGAAATCAGGATACTCGGCCCAAGGTCAAAGCCAAGAAAGCCGAAAGGTGAAGCATCTGGAT
 GGGGAAGAGGATGGCAGCAGTATCAGAGTCAGGCTTCTGGAACCAAGGTGGCCGAAGGTCTCAAAG
 GCCCTAATGGCCTCAATGGCCCGCAGGGCTTCAAGGGGTCCATAGCCTTTTGGGCCCGCAGGGCATCA
 AGGACTCGGTTGGCTGCTTGGGCCCGAGAGCCTTGCTCTCCCTGAGATCACCTAAAGCCCGTAGGGGC
 AAGGCTCGCCGTAGAGCTGCCAAGCTCCAGTCATCCCAAGAGCCTGAAGCACCACCCTCGGGATGTG
 GCCCTTTTGAAGGAGGGCAAATGATTTGGTGAAGTACCTTTTGGCTAAAGACCAGACGAAGATTCCC
 ATCAAGCGCTCGGACATGCTGAAGGACATCATCAAAGAATACACTGATGTGTACCCGAAATCATTGAA
 CGAGCAGGCTATTCTTGGAGAAGGTATTTGGGATTCAATTGAAGGAAATTGATAAGAATGACCACTTG
 TACATTTCTCTCAGCACCTTAGAGCCCACTGATGCAGGCATACTGGGAACGACTAAGGACTCACCAAG
 CTGGGTCTGCTCATGGTCTTCTTAGCATCATCTTCATGAATGGAATCGGTCCAGTGAGGCTGTCATC
 TGGGAGGTGCTGCGCAAGTTGGGGCTGCGCCCTGGGATACATCATTCACTCTTTGGGGACGTGAAGAAG
 CTCATCACTGATGAGTTTGTGAAGCAGAAGTACCTGGACTATGCCAGAGTCCCCAATAGCAATCCCCCT
 GAATATGAGTTCTTCTGGGGCTGCGCTCTTACTATGAGACCAGCAAGATGAAAGTCTCAAGTTTGCC
 TGCAAGGTACAAAAGAAGGATCCCAAGGAATGGGCAGCTCAGTACCGAGAGGCGATGGAAGCGGATTG
 AAGGCTGCAGCTGAGGCTGCAGCTGAAGCCAAGGCTAGGGCCGAGATTAGAGCTCGAATGGGCATTGGG
 CTCGGCTCGGAGAATGCTGCCGGGCCCTGCAACTGGGACGAAGCTGATATCGGACCCTGGGCCAAAAGCC
 CGGATCCAGGCGGGAGCAGAAGCTAAAGCCAAAGCCCAAGAGAGTGGCAGTGCCAGCACTGGTGCCAGT
 ACCAGTACCAATAACAGTGCCAGTGCCAGTGCCAGCACCAGTGGTGGCTTCAGTGCTGGTGCCAGCCTG
 ACCGCCACTCTCACATTTGGGCTCTTCGCTGGCCTTGGTGGAGCTGGTGCCAGCACCAGTGCCAGCTCT
 GGTGCCTGTGGTTTCTCCTACAAGTGA
 ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGAT
 TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC

Restriction Sites: SgfI-MluI

ACCN: NM_177433

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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	NM_177433.2
RefSeq Size:	2216 bp
RefSeq ORF:	1821 bp
Locus ID:	10916
UniProt ID:	Q9UNF1
Cytogenetics:	Xp11.21
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 (2) represents the longest transcript. Variants 1, 2, and 3 encode the same protein.