

Product datasheet for **SC115200**

MAGEH1 (NM_014061) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MAGEH1 (NM_014061) Human Untagged Clone
Tag:	Tag Free
Symbol:	MAGEH1
Synonyms:	APR-1; APR1; MAGEH
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC115200 sequence for NM_014061 edited (data generated by NextGen Sequencing) ATGCCTCGGGGACGAAAGAGTCGGCGCCGCCGTAAATGCGAGAGCCGAGAAGAGAACCGC AACAATCGCAAAATCCAGGCCTCAGAGGCCTCCGAGACCCTATGGCCGCCTCTGTGGTA GCGAGACCCCCGAAGACGACCTGAGCGCCCCGAGGAAGACCCGAGCACTCCAGAGGAG GCCTCTACCACCCTGAAGAAGCCTCGAGCACTGCCAAGCACAAAAGCCTTCAGTGCCC CGGAGCAATTTTCAGGGACCAAGAAAAGTCTCCTGATGTCTATATTAGCGCTCATCTTC ATCATGGGCAACAGCGCCAAGGAAGCTCTGGTCTGGAAAGTGCTGGGGAAGTTAGGAATG CAGCCTGGACGTCAGCACAGCATCTTTGGAGATCCGAAGAAGATCGTCACAGAAGAGTTT GTGCGCAGAGGGTACCTGATTTATAAACCGGTGCCCCGTAGCAGTCCGGTGGAGTATGAG TTCTTCTGGGGGCCCCGAGCACACGTGGAATCGAGCAAACTGAAAGTCATGCATTTTGTG GCAAGGGTTCGTAACCGATGCTCTAAAGACTGGCCTTGTAAATTATGACTGGGATTCGGAC GATGATGCAGAGGTTGAGGCTATCCTCAATTCAGGTGCTAGGGGTTATTCCGCCCTTAA Clone variation with respect to NM_014061.3



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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_014061 unedited CTGGATTTGTAACCGACTTATATAGGCGGCCGAGAATTCGGCACGAGGCGGGCTTGACAG TGCGGCAAGTGCTGGCGGCGGCTGCTCGCGCAAGTCAGCTGGCGTGGGAACTACCCCTTG TAGCTGAGAACGGCTTGTATTGCTACAAAGACTCTATTGACATTGGTAGCTTCAGCGG CAGCAGCTTCTTACGGTATAAAGCTGTTGCTTTCTGAAGAGGCTACAAGCATCCTCCCT AGGACTGCTGTAAGCTTTGAGCCTCTAGCAGGAGACATGCCTCGGGGACGAAAGAGTCGG CGCCGCCGTAATGCGAGAGCCGCGAGAAGAGAACCGCAACAATCGCAAAATCCAGGCCTCA GAGGCCTCCGAGACCCCTATGGCCGCCTCTGTGGTAGCGAGCACCCCGAAGACGACCTG AGCGGCCCCGAGGAAGACCCGAGCACTCCAGAGGAGGCCTCTACCACCCCTGAAGAAGCC TCGAGCACTGCCAAGCACAAAAGCCTTCAGTGCCCGGAGCAATTTTCAGGGCACCAG AAAAGTCTCCTGATGTCTATATTAGCGCTCATCTTCATCATGGGCAACAGCGCCAAGGAA GCTCTGGTCTGGAAGTCTGGGAAAGTAGGAATGCAGCCTGNACGTCAGCACAGCATC TTTGGAGATCCGAAGAAGATCGTCACAGAAGAGTTGTGCGCAGAGGGTACCTGATTTAT AANCCGGTGCCCGTAGCAGTCCCGTGGAGTATGAGTTCTTCTGGNGGCCCGAGCCACG TGGAATCGAGCAACTTGAAGTCATGCAATTTGTGGCAAGGGTTCGTAACCGATGCTCTAA GACTGGCCTTGTAATATGACTGGGATTTGACGATGATGCCAAAGGTGAGGCTATCCTCA TTTCAGTGCTAGGGGTATTTCGCCCTTAATAGATCTGAGCAGACCT
3' Read Nucleotide Sequence:	>OriGene 3' read for NM_014061 unedited TGACCGCGGCCGCAATCTAGAGTCGAGTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT TTTTACTATTCGTTAGGCTTTTATTTTCTCTATGTTCTGCAGTAACTAAGGAAAATCAT GGTAAATGTCAATCTTCACACAACAGCAGACACAAAGGGTTTCAAAAACGTCAGATATGA AAAAATCTCCATCCTTCTTCAACATTTTACTGGGTATTTCAACTTCAAAAGAACAGCTT ATTTCTATAAGTCTGTACAAGATCATAGATTATGATGGAACGACTTCATTTTAAACGT TAGCAAACTGTTATACTAAATGTCAATGACAGGAAACAAAGAAAAAATTTGTTCAATT ATATTTTAAACATATTGTTATTCTCAACAAACGGAATTTTAAACGAATACAATTTTCC ATTATCAAAAGCAAACTCTATTTGCGAGTTGAACAATGATCACTGATCACAATATCA AATACAGTGTCCCCGCCCCCAATCGACATCATTTTCAACTTAGGACCCTGGCATCTACT CCTTGGGGTACCTGTGACTCTCTTTACACCCCAAGGGTCTGCCTCAGATCTACTTAAG GGGCGGAATAACCCCTAGCACCTGAATTGAGGATAGCCTCAACCTCTGCATCATCGTCCG AATCCCAGTCATAATTACAAGGCCAGTCTTTAGAGCATCGGTTACGAACCTTGCCCAAA ATGCATGACTTTTCAAGTTTGCTCGATTCCCGTGTGCTCGGGGCCCCAGAAAACATACT CCACCGGACTGCTACGGGGCACCGGTTTAAATCANGTACCCTCTGCGCACAACCTCTG TGACAATCTTTTCGGATCCCAAAGAGCTGNGCTGACGNCAGGCTTGATTCTTACTTCCCA GACTTTTACAGACAGGCCTCTTGCCTGTGC
Restriction Sites:	ECorI-NOT
ACCN:	NM_014061
Insert Size:	1640 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).
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_014061.3](#), [NP_054780.2](#)

RefSeq Size: 1475 bp

RefSeq ORF: 660 bp

Locus ID: 28986

UniProt ID: [Q9H213](#)

Cytogenetics: Xp11.21

Protein Families: Transmembrane

Gene Summary: This gene belongs to the non-CT (non cancer/testis) subgroup of the melanoma-associated antigen (MAGE) superfamily. The encoded protein is likely associated with apoptosis, cell cycle arrest, growth inhibition or cell differentiation. The protein may be involved in the atRA (all-trans retinoic acid) signaling through the STAT1-alpha (signal transducer and activator of transcription 1-alpha) pathway. [provided by RefSeq, Aug 2013]