

Product datasheet for **SC303626**

MAGEA3 (NM_005362) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MAGEA3 (NM_005362) Human Untagged Clone
Tag:	Tag Free
Symbol:	MAGEA3
Synonyms:	CT1.3; HIP8; HYPD; MAGE3; MAGEA6
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_005362 edited
 GAGATTCTGCCCCTGAGCAACGAGCGACGGCCTGACGTGGCGGAGGGAAGCCGGCCAG
 GCTCGGTGAGGAGGCAAGGTTCTGAGGGGACAGGCTGACCTGGAGGACCAGAGGCCCCCG
 GAGGAGCACTGAAGGAGAAGATCTGCCAGTGGGTCTCCATTGCCAGCTCCTGCCACAC
 TCCCGCCTGTTGCCCTGACCAGAGTCATCATGCCTCTTGAGCAGAGGAGTCAGCACTGCA
 AGCCTGAAGAAGGCCTTGAGGCCGAGGAGAGGCCCTGGGCCTGGTGGTGCCGAGGCTC
 CTGCTACTGAGGAGCAGGAGGCTGCCTCCTCTTCTACTCTAGTTGAAGTCACCCCTGG
 GGGAGGTGCCTGCTGCCGAGTCACCAGATCCTCCCCAGAGTCCTCAGGGAGCCTCCAGCC
 TCCCCACTACCATGAACTACCCTCTCTGGAGCCAATCCTATGAGGACTCCAGCAACCAAG
 AAGAGGAGGGGCAAGCACCTTCCCTGACCTGGAGTCCGAGTTCCAAGCAGCACTCAGT
 AGGAAGGTGGCCGAGTTGGTTCATTTTCTGCTCCTCAAGTATCGAGCCAGGGAGCCGGTC
 ACAAAGGCAGAAATGCTGGGGAGTGTCTCGGAAATTGGCAGTATTTCTTCTGTGATC
 TTCAGCAAAGCTTCCAGTTCCTTGACAGTGGTCTTTGGCATCGAGCTGATGGAAGTGGAC
 CCCATCGGCCACTTGTACATCTTGGCACCTGCCTGGGCCTCCTACGATGGCCTGCTG
 GGTGACAATCAGATCATGCCAAGGCAGGCCTCCTGATAATCGTCTGGCCATAATCGCA
 AGAGAGGGCGACTGTGCCCTGAGGAGAAAATCTGGGAGGAGCTGAGTGTGTAGAGGTG
 TTTGAGGGGAGGGAAGACAGTATCTTGGGGATCCCAAGAAGCTGCTCACCCAACATTTT
 GTGCAGGAAAACCTACCTGGAGTACCGGCAGGTCCCGGCAGTGATCCTGCATGTTATGAA
 TTCTGTGGGGTCCAAGGGCCCTCGTTGAAACCAGCTATGTGAAAGTCTGCACCATATG
 GTAAAGATCAGTGGAGGACCTCACATTTCTACCCACCCTGCATGAGTGGGTTTTGAGA
 GAGGGGAAGAGTGAAGTCTGAGCAGGAGTGCAGCCAGGGCCAGTGGGAGGGGTCTGGG
 CCAGTGCACCTTCCGGGGCCGCATCCCTTAGTTTCCACTGCCTCCTGTGACGTGAGGCC
 ATTCTTCACTCTTTGAAGCGAGCAGTCAGCATTCTTAGTAGTGGGTTTTCTGTTCTGTTGG
 ATGATTTGAGATTATTCTTTGTTTCTGTTGGAGTTGTTCAAATGTTCTTTTAAACGGA
 TGGTTGAATGAGCGTCAGCATCCAGTTTATGAATGACAGTAGTCACACATAGTGTCTGTT
 TATATAGTTTAGGAGTAAGAGTCTTGTGTTTTTACTCAAATGGGAAATCCATTCCATTTT
 GTGAATTGTGACATAATAATAGCAGTGGTAAAAGTATTTGCTTAAAATTGTGAGCGAATT
 AGCAATAACATACATGAGATAACTCAAGAAATCAAAGATAGTTGATTCTTGCCTTGAC
 CTCAATCTATTCTGAAAATTAACAAATATGCAAACCAGGATTCCTTGACTTCTTTGA
 GAATGCAAGCGAAATTAATCTGAATAAATAATTCTTCTCTCCAAAAAAAAAAAAAAAAAA
 AAAAAAAAAAAAAA

- Restriction Sites:** Please inquire
- ACCN:** NM_005362
- Insert Size:** 1750 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:** The ORF of this clone has been fully sequenced and found to be a perfect match to NM_005326.3.
- 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_005362.3](#), [NP_005353.1](#)

RefSeq Size: 1753 bp

RefSeq ORF: 945 bp

Locus ID: 4102

UniProt ID: [P43357](#)

Cytogenetics: Xq28

Gene Summary: This gene is a member of the MAGEA gene family. The members of this family encode proteins with 50 to 80% sequence identity to each other. The promoters and first exons of the MAGEA genes show considerable variability, suggesting that the existence of this gene family enables the same function to be expressed under different transcriptional controls. The MAGEA genes are clustered at chromosomal location Xq28. They have been implicated in some hereditary disorders, such as dyskeratosis congenita. [provided by RefSeq, Jul 2008]