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Product datasheet for SC301571

MAGEA10 (NM_001011543) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MAGEA10 (NM_001011543) Human Untagged Clone
Tag:	Tag Free
Symbol:	MAGEA10
Synonyms:	CT1.10; MAGE10
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>OriGene sequence for NM_001011543 edited ATGCCTCGAGCTCCAAAGCGTCAGCGCTGCATGCCTGAAGAAGATCTTCAATCCCAAAGT GAGACACAGGGCCTCGAGGGTGCACAGGCTCCCCTGGCTGTGGAGGAGGATGCTTCATCA TCCACTTCCACCAGCTCCTCTTTTCCATCCTCTTTTCCCTCCTCCTCCTCTTCCTCCTCC TCCTCCTGCTATCCTCTAATACCAAGCACCCCAGAGGAGGTTTCTGCTGATGATGAGACA CCAAATCCTCCCCAGAGTGCTCAGATAGCCTGCTCCTCCCCCTCGGTCGTTGCTTCCCTT CCATTAGATCAATCTGATGAGGGCTCCAGCAGCCAAAAGGAGGAGAGTCCAAGCACCCTA CAGGTCCTGCCAGACAGTGAGTCTTTACCCAGAAGTGAGATAGATGAAAAGGTGACTGAT TTGGTGCAGTTTCTGCTCTTCAAGTATCAAATGAAGGAGCCGATCACAAAGGCAGAAATA CTGGAGAGTGTCATAAAAAATTATGAAGACCACTTCCCTTTGTTGTTTAGTGAAGCCTCC GAGTGCATGCTGCTGGTCTTTGGCATTGATGTAAAGGAAGTGGATCCCACTGGCCACTCC TTTGTCCTTGTCACCTCCCTGGGCCTCACCTATGATGGGATGCTGAGTGATGTCCAGAGC ATGCCCAAGACTGGCATTCTCATACTTATCCTAAGCATAATCTTCATAGAGGGCTACTGC ACCCCTGAGGAGGTCATCTGGGAAGCACTGAATATGATGGGGCTGTATGATGGGATGGAG CACCTCATTTATGGGGAGCCCAGGAAGCTGCTCACCCAAGATTGGGTGCAGGAAAACTAC CTGGAGTACCGGCAGGTGCCTGGCAGTGATCCTGCACGGTATGAGTTTCTGTGGGGTCCA AGGGCTCATGCTGAAATTAGGAAGATGAGTCTCCTGAAATTTTTGGCCAAGGTAAATGGG AGTGATCCAAGATCCTTCCCACTGTGGTATGAGGAGGCTTTGAAAGATGAGGAAGAGAGA GCCCAGGACAGAATTGCCACCACAGATGATACTACTGCCATGGCCAGTGCAAGTTCTAGC GCTACAGGTAGCTTCTCCTACCCTGAATAA
Restriction Sites:	Please inquire
ACCN:	NM_001011543
Insert Size:	1100 bp

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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_001011543.1, NP_001011543.1
RefSeq Size:	1610 bp
RefSeq ORF:	1110 bp
Locus ID:	4109
UniProt ID:	P43363
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. Alternative splicing results in multiple transcript variants. Read-through transcription also exists between this gene and the downstream melanoma antigen family A, 5 (MAGEA5) gene.[provided by RefSeq, Oct 2011] Transcript Variant: This variant (1) represents the longest transcript. Variants 1, 2 and 3 encode the same protein. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.

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