

Product datasheet for **SC335517**

MAEA (NM_001297433) Human Untagged Clone

Product data:

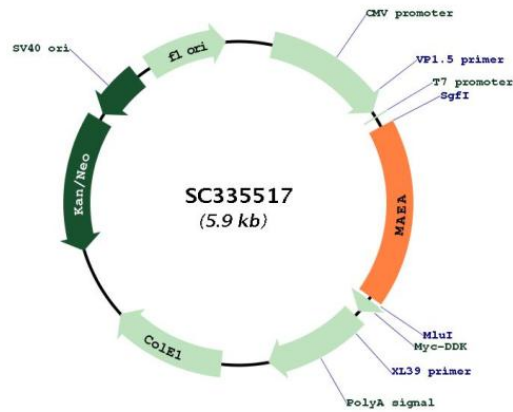
Product Type:	Expression Plasmids
Product Name:	MAEA (NM_001297433) Human Untagged Clone
Tag:	Tag Free
Symbol:	MAEA
Synonyms:	EMLP; EMP; GID9; HLC-10; P44EMLP; PIG5
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC335517 representing NM_001297433. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTGTAGTGAACCGTCAGAATTTTGTAAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGTGGTGGCCGAGCTGGAGAAGCGTTGAGCGGCTGCCCGCCGCTGGACTCCGTGGTCAGCCTGCTG
GACGGCGTGGTGGAGAAGCTCAGCGTCTCAAGAGGAAGCGGTGGAATCCATCCAGGCCGAGGACGAG
AGCGCCAAGCTGTGCAAGCGCCGGATCGAGCACCTCAAAGAGCATAGCAGCGACCAGCCCGCGCGGCC
AGCGTGTGGAAGAGGAAGCGCATGGATCGCATGATGGTGGAGCACCTGCTGCGTTGCGGCTACTACAAC
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AAAGAGGTGGAGGAGTCCCTGGAGAGCGTGAGACGGCCACCTGCCTGGCCTGGTCCATGACAACAAG
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CGGCAGAATAAGAGACTGGACGCTGTGAGACATGCAAGAAAGCACTTCAGCCAAGCAGAAGGGAGCCAG
CTGGACGAGGTGCGCCAGGCCATGGGCATGCTGGCCTTCCCGCCGACACGCACATCTCCCCGTACAAG
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TGCTACAAGGAGGACGGCAGCTCCAAGAGCCCTGACTGCCCTGTGTGCAGCCGCTCCCTGAACAAGCTG
GCGCAGCCCTGCCATGGCCACTGTGCCAATCCCCTGGTCTGCAAGATTTCTGGCGACGTGATG
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CGTCAAGATGATAAAGTGTGTGCCGAGAACCAAGAAGTCTTCCAATTCTACAAGCCGAGAAGGTG
TACATCATGTAG
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites: SgfI-MluI



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Plasmid Map:


ACCN: NM_001297433

Insert Size: 1047 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_001297433.1](#)

RefSeq Size: 2324 bp

RefSeq ORF: 1047 bp

Locus ID: 10296

Cytogenetics: 4p16.3

Protein Families: Druggable Genome

MW: 39.8 kDa

Gene Summary:

This gene encodes a protein that mediates the attachment of erythroblasts to macrophages. This attachment promotes terminal maturation and enucleation of erythroblasts, presumably by suppressing apoptosis. The encoded protein is an integral membrane protein with the N-terminus on the extracellular side and the C-terminus on the cytoplasmic side of the cell. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jul 2014]

Transcript Variant: This variant (6) differs in the 5' UTR, lacks part of the 5' coding region, and uses a downstream start codon, compared to variant 1. The encoded isoform (6) has a shorter N-terminus, compared to isoform 1.