

## Product datasheet for SC335845

### MAEA (NM\_001297432) Human Untagged Clone

#### Product data:

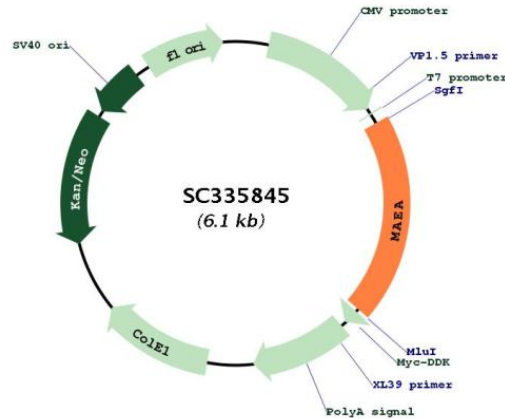
Product Type:	Expression Plasmids
Product Name:	MAEA (NM_001297432) Human Untagged Clone
Tag:	Tag Free
Symbol:	MAEA
Synonyms:	EMLP; EMP; GID9; HLC-10; P44EMLP; PIG5
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC335845 representing NM_001297432. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTGTAGTGAACCGTCAGAATTTTGTAAACGACTACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGTGGACCTGAGAGCCACTGGCAGGGAGGTGGGGTCTTCCAGTTGTGAAGACACCGTGGCCCCGGTG
CCCTACGAGACGCTGAACAAACGCTTTCGCGCCGCTCAGAAGAATTGACCGGGAGACCAGCCACGTC
ACCATGGTGGTGGCCGAGCTGGAGAAGACGTTGAGCGGCTGCCCGCCGTTGGACTCCGTGGTCCAGCCTG
CTGGACGGCGTGGTGGAGAAGCTCAGCGTCTCAAGAGGAAGGCGGTGGAATCCATCCAGGCCGAGGAC
GAGAGCGCAAGCTGTGAAGCGCCGGATCGAGCACCTCAAAGAGCATAGCAGCGACCAGCCCGCGGGC
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AACACGGCTGTCAAGCTGGCGCGCCAGAGCGGCATCGAGGACCTAGTGAATATTGAGATGTTCTCTGACG
GCCAAAGAGGTGGAGGAGTCCCTGGAGAGGCGTGAGACGGCCACCTGCCTGGCCTGGTGCATGACAAC
AAGTCCCAGGCTCCGGAAGATGAAGAGCTGCCTGGAGTTGAGCCTCAGAATCCAGGAGTTCATTGAACTC
ATCCGGCAGAATAAGAGACTGGACGCTGTGAGACATGCAAGAAAGCACTCAGCCAAGCAGAAGGGAGC
CAGCTGGACGAGGTGGCCAGGCCATGGGCATGCTGGCCTTCCCAGCCGACACGCACATCTCCCCGTAC
AAGGACCTTCTGGACCTGCACGGTGGCGGATGCTGATCCAGCAGTTCGGTACGACAACACCGACTA
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CAGTGCTACAAGGAGGACGGCAGCTCCAAGAGCCCTGACTGCCCTGTGTGAGGAGCCGCTCCCTGAACAAG
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ATCCGTCAAGATGATAAAGTCGTGTGCCGAGAACCAAGAAGTCTTCCACTTCTACAAGCCGAGAAAG
GTGTACATCATGTAG
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTAAACGGCCGGC
```

Restriction Sites: SgfI-MluI



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**Plasmid Map:**


**ACCN:** NM\_001297432

**Insert Size:** 1188 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\\_001297432.1](#)

**RefSeq Size:** 2388 bp

**RefSeq ORF:** 1188 bp

**Locus ID:** 10296

**Cytogenetics:** 4p16.3

**Protein Families:** Druggable Genome

**MW:** 45.1 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 (5) differs in the 5' UTR and 5' coding region, compared to variant 1. The encoded isoform (5) has a shorter and distinct N-terminus, compared to isoform 1.