

Product datasheet for **SC335368**

MAEA (NM_001297431) Human Untagged Clone

Product data:

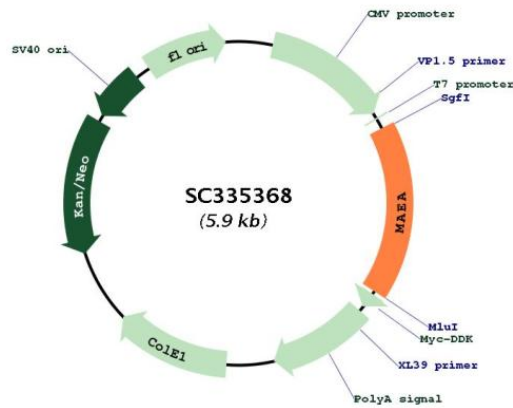
| | |
|---------------------------|--|
| Product Type: | Expression Plasmids |
| Product Name: | MAEA (NM_001297431) Human Untagged Clone |
| Tag: | Tag Free |
| Symbol: | MAEA |
| Synonyms: | EMLP; EMP; GID9; HLC-10; P44EMLP; PIG5 |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |
| Fully Sequenced ORF: | >SC335368 representing NM_001297431. Blue=Insert sequence Red=Cloning site Green=Tag(s) |

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GCTCGTTTGTAGTGAACCGTCAGAATTTGTAAACGACTACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGCATCGCC
ATGGCGGTGCAGGAGTCGGCGGCTCAGTTGTCCATGACCCCTGAAGGTCCAGGAGTACCCGACCCCTCAAG
GTGCCCTACGAGACGCTGAACAAACGCTTTCGCGCCGCTCAGAAGAATTGACCGGAGACCAGCCAC
GTCACCATGGTGGTGGCCGAGCTGGAGAAGACGTTGAGCGGCTGCCCGCCGTGGACTCCGTGGTCAGC
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GACGAGAGCGCAAGCTGTGCAAGCGCCGGATCGAGCACCTCAAAGAGCATAGCAGCGACCAGCCCGCG
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CAAGACACCTGCTACAAGGAGGACGGCAGCTCCAAGAGCCCTGACTGCCCTGTGTGACGCCGCTCCCTG
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GAGAAGGTGTACATCATGTAG
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites: SgfI-MluI



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Plasmid Map:


ACCN: NM_001297431

Insert Size: 987 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_001297431.1](#)

RefSeq Size: 2046 bp

RefSeq ORF: 987 bp

Locus ID: 10296

UniProt ID: [Q7L5Y9](#)

Cytogenetics: 4p16.3

Protein Families: Druggable Genome

MW: 36.2 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 (4) has multiple differences in the coding region, which results in an internal frameshifted segment, compared to variant 1. The encoded isoform (4) is shorter and has a distinct internal segment, compared to isoform 1.