

Product datasheet for SC313285

MAEA (NM_005882) Human Untagged Clone

Product data:

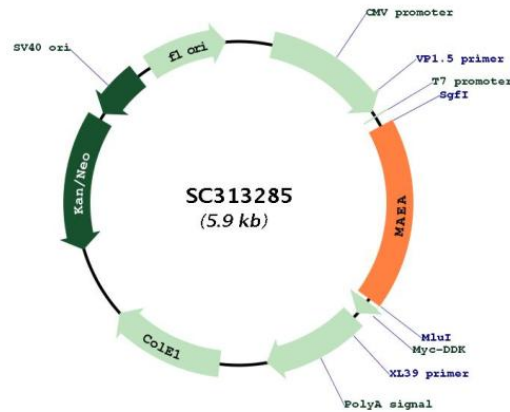
| | |
|---------------------------|-----------------------------------------------------------------------------------------|
| Product Type: | Expression Plasmids |
| Product Name: | MAEA (NM_005882) Human Untagged Clone |
| Tag: | Tag Free |
| Symbol: | MAEA |
| Synonyms: | EMLP; EMP; GID9; HLC-10; P44EMLP; PIG5 |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |
| Fully Sequenced ORF: | >SC313285 representing NM_005882. Blue=Insert sequence Red=Cloning site Green=Tag(s) |

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GCTCGTTTAGTGAACCGTCAGAATTTGTAAACGACTACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGCGGTGCAGGAGTCGGCGGCTCAGTTGTCCATGACCCCTGAAGGTCCAGGAGTACCCGACCCTCAAG
GTGCCCTACGAGACGCTGAACAAACGCTTTGCGCGGCTCAGAAGAACATTGACCGGAGACCAGCCAC
GTCACCATGGTGGTGGCCGAGCTGGAGAAGACGTTGAGCGGCTGCCCCGCCGTGGACTCCGTGGTCAGC
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GACGAGAGCGCAAGCTGTGCAAGCGCCGATCGAGCACCTCAAAGAGCATAGCAGCGACCAGCCCGCG
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CAGGAGTTCATTGAACCTATCCGGCAGAATAAGAGACTGGACGCTGTGAGACATGCAAGAAAGCACTTC
AGCCAAGCAGAAGGGAGCCAGCTGGACGAGGTGCGCCAGGCCATGGGCATGCTGGCTTCCCGCCGAC
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TCAGCCATCAAGACACCACAGTGTACAAGGAGGACGGCAGCTCCAAGAGCCCTGACTGCCTGTGTGC
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TTCTACAAGCCGAGAAGGTGTACATCATGTAG
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites: SgfI-MluI



[View online »](#)

Plasmid Map:


ACCN: NM_005882

Insert Size: 1068 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: 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_005882.4](#)

RefSeq Size: 2127 bp

RefSeq ORF: 1068 bp

Locus ID: 10296

UniProt ID: [Q7L5Y9](#)

Cytogenetics: 4p16.3

Domains: LisH, CTLH

Protein Families: Druggable Genome

MW: 40.4 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 (2) lacks an in-frame exon in the central coding region, compared to variant 1. The encoded isoform (2) is shorter, compared to isoform 1.