

Product datasheet for **RG200147**

MAEA (NM_001017405) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MAEA (NM_001017405) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	MAEA
Synonyms:	EMLP; EMP; GID9; HLC-10; P44EMLP; PIG5
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG200147 representing NM_001017405 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAACTACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCGGTGCAGGAGTCGGCGGCTCAGTTGTCCATGACCCTGAAGGTCCAGGAGTACCCGACCCTCAAGG
 TGCCCTACGAGACGCTGAACAAACGCTTCGCGCCGCTCAGAAGAACATTGACCGGGAGACCAGCCACGT
 CACCATGGTGGTGGCCGAGCTGGAGAAGACGTTGAGCGGCTGCCCGCCGTGGACTCCGTGGTCAGCCTG
 CTGGACGGCGTGGTGGAGAAGCTCAGCGTCCTCAAGAGGAAGGCGGTGGAATCCATCCAGGCCGAGGACG
 AGAGCGCCAAGCTGTGCAAGCGCCGATCGAGCACCTCAAAGAGCATAGCAGCGACCAGCCGCGCGGC
 CAGCGTGTGGAAGAGGAAGCGCATGGATCGCATGATGGTGGAGCACCTGCTGCGTTGCGGCTACTACAAC
 ACGGCTGTCAAGCTGGCGCGCCAGAGCGGCATCGAGGACCTAGTGAATATTGAGATGTTCTGTACGGCCA
 AAGAGGTGGAGGAGTCCCTGGAGAGGCGTGAGACGGCCACCTGCCTGGCCTGGTGCCATGACAACAAGTC
 CCGGCTCCGGAAGATGAAGAGCTGCCTGGAGTTGAGCCTCAGAATCCAGGAGTTCATTGAACTCATCCGG
 CAGAATAAGAGACTGGACGCTGTGAGACATGCAAGAAAGCACTTCAGCCAAGCAGAAGGGAGCCAGCTGG
 ACGAGGTGCGCCAGGCCATGGGCATGCTGGCCTTCCGCGCCGACACGCACATCTCCCGTACAAGGACCT
 TCTGGACCCTGCACGGTGGCGGATGCTGATCCAGCAGTTCCGGTACGACAACCTACCGACTACACCAGCTG
 GGAAACAATTCTGTGTTACCCCTCACCTGCAGGCCGCGCTCTCAGCCATCAAGACACCAGTGTCTACA
 AGGAGGACGGCAGCTCCAAGAGCCCTGACTGCCCTGTGTGCAGCCGCTCCCTGAACAAGCTGGCGCAGCC
 CCTGCCCATGGCCCACTGTGCCAACTCCCGCCTGGTCTGCAAGATTTCTGGCGACGTGATGAACGAGAAC
 AATCCGCCCATGATGCTGCCAACGGCTACGTCTACGGCTACAATTCTCTGCTTTCTATCCGTCAAGATG
 ATAAAGTCGTGTGCCGAGAACCAAGAAGTCTTCCACTTCTCACAAGCCGAGAAGGTGTACATCATG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG200147 representing NM_001017405
 Red=Cloning site Green=Tags(s)

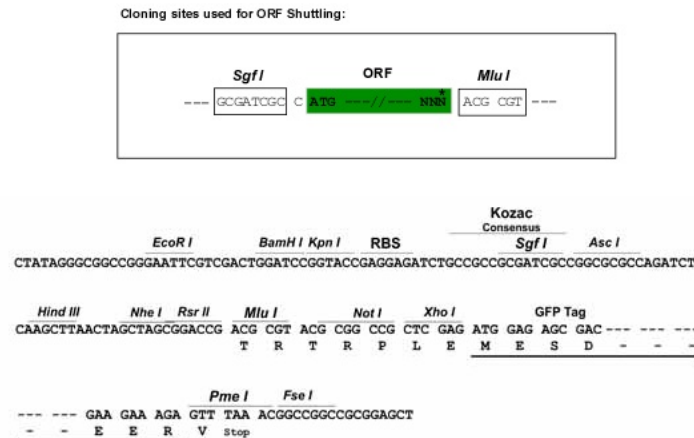
MAVQESAAQLSMTLKVQEYPTLKVPYETLNKRFRAAQKNIDRETSHVTMVVAELEKTLSGCPAVDSVVSL
 LDGVVEKLSVLKRKAVESIQAEDESAKLCKRRIEHLKEHSSDQPAASVWKRKMRMMVEHLLRCGYYN
 TAVKLARQSGIEDLVNIEMFLTAKVEESLERRETATCLAWCHDNKSRLRKMKSCLFSLRIQEFIELIR
 QNKRLDAVRHARKHFSQAEGSQLDEVQAMGLAFPPDTHISPYKDLLDPARWRMLIQFRYDNYRLHQL
 GNNSVFTLTQLAGLSAIIKTPQCYKEDGSSKSPDCPVCSRSLNKL AQPLMAHCANSRLVCKISGDVMNEN
 NPPMMLPNGYVGYNSLLSIRQDDKVVCPRTKEVFHSQAQEKVYIM

TRTRPLE – GFP Tag – V

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NM_001017405

ORF Size: 1188 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_001017405.1](#), [NP_001017405.1](#)

RefSeq Size: 2207 bp

RefSeq ORF: 1191 bp

Locus ID: 10296

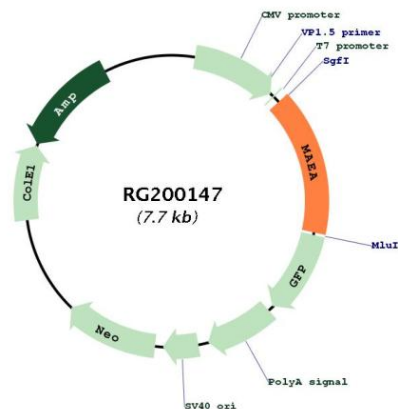
UniProt ID: [Q7L5Y9](#)

Cytogenetics: 4p16.3

Protein Families: Druggable Genome

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]

Product images:



Circular map for RG200147