

## Product datasheet for **RC237473**

### MAEA (NM\_001297430) Human Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** MAEA (NM\_001297430) Human Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** MAEA  
**Synonyms:** EMLP; EMP; GID9; HLC-10; P44EMLP; PIG5  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**ORF Nucleotide Sequence:** >RC237473 representing NM\_001297430  
**Red=Cloning site Blue=ORF Green=Tags(s)**

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGGCGGTGCAGGAGTCGGCGGCTCAGTTGTCCATGACCCTGAAGGTCCAGGAGTACCCGACCCTCAAGG  
TGCCCTACGAGACGCTGAACAAACGCTTTCGCGCCGCTCAGAAGAACATTGACCGGGAGACCAGCCACGT  
CACCATGGTGGTGGCCGAGCTGGAGAAGACGTTGAGCGGCTGCCCGCCGTGGACTCCGTGGTCAGCCTG  
CTGGACGGCGTGGTGGAGAAGCTCAGCGTCCTCAAGAGGAAGGACCTAGTGAATATTGAGATGTTCTGA  
CGGCCAAAGAGGTGGAGGAGTCCCTGGAGAGGCGTGAGACGGCCACCTGCCTGGCCTGGTCCATGACAA  
CAAGTCCCGGCTCCGGAAGATGAAGAGCTGCCTGGAGTTCAGCCTCAGAATCCAGGAGTTCATTGAACTC  
ATCCGGCAGAATAAGAGACTGGACGCTGTGAGACATGCAAGAAAGCACTCAGCCAAGCAGAAGGGAGCC  
AGCTGGACGAGGTGCGCCAGGCCATGGGCATGCTGGCCTCCCGCCGACACGCACATCTCCCGTACAA  
GGACCTTCTGGACCCTGCACGGTGGCGGATGCTGATCCAGCAGTTCGGTACGACAACCTACCGACTACAC  
CAGCTGGGAAACAATTCTGTGTTCAACCTCACCTGCAGGCTGGCCTCTCAGCCATCAAGACACCACAGT  
GCTACAAGGAGGACGGCAGCTCCAAGAGCCCTGACTGCCCTGTGTGCAGCCGCTCCCTGAACAAGTGGC  
GCAGCCCCTGCCATGGCCACTGTGCCAACTCCCGCCTGGTCTGCAAGATTTCTGGCGACGTGATGAAC  
GAGAACAATCCGCCATGATGCTGCCAACGGCTACGCTACGGTACAATTCTCTGCTTCTATCCGTC  
AAGATGATAAAGTCGTGTGCCGAGAACCAAGAAGTCTTCCACTTCTACAAGCCGAGAAGGTGTACAT  
CATG

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >RC237473 representing NM\_001297430  
 Red=Cloning site Green=Tags(s)

MAVQESAAQLSMTLKVQEYPTLKVPYETLNKRFRAAQKNIDRETSHVTMVVAELEKTLSGCPAVDSVVSL  
 LDGVVEKLSVLKRKDLVNIEMFLTAKEVEESLERRETATCLAWCHDNKSRLRKMKSCLEFSLRIQEFIEL  
 IRQNKRLDAVRHARKHFSAEGSQLDEVQRQAMGLAFPPDTHISPYKDLLDPARWRMLIQFFRYDNYRLH  
 QLGNNSVFTLTLQAGLSAIKTPQCYKEDGSSKSPDCPVCRSRLNKLAQPLPMAHCANSRLVCKISGDVMM  
 ENNPPMMLPNGYVYGNSLLSIRQDDKVVCPRTKEVFHFSAQAEKVYIM

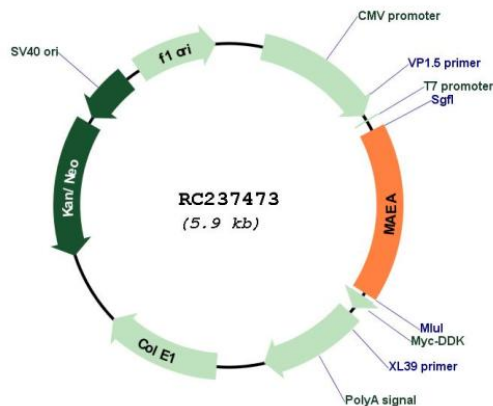
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** Sgfl-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_001297430

**ORF Size:** 984 bp

<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
<b>RefSeq:</b>	<a href="#">NM_001297430.2</a>
<b>RefSeq Size:</b>	2046 bp
<b>RefSeq ORF:</b>	987 bp
<b>Locus ID:</b>	10296
<b>Cytogenetics:</b>	4p16.3
<b>Protein Families:</b>	Druggable Genome
<b>MW:</b>	37.9 kDa
<b>Gene Summary:</b>	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]