

## Product datasheet for **RG237474**

### MAEA (NM\_001297431) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	MAEA (NM_001297431) 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:	>RG237474 representing NM_001297431. Blue=ORF Red=Cloning site Green=Tag(s)

```
GCTCGTTTGTAGTGAACCGTCAGAATTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGCGGTGCAGGAGTCGGCGGCTCAGTTGTCCATGACCCTGAAGGTCCAGGAGTACCCGACCCTCAAG
GTGCCCTACGAGACGCTGAACAAACGCTTTCGCGCCGCTCAGAAGAATTGACCGGGAGACCAGCCAC
GTCACCATGGTGGTGGCCGAGCTGGAGAAGACGTTGAGCGGCTGCCCGCCGCTGGACTCCGTGGTCAGC
CTGCTGGACGGCGTGGTGGAGAAGCTCAGCGTCTCAAGAGGAAGGCGGTGGAATCCATCCAGGCCGAG
GACGAGAGCGCAAGCTGTGCAAGCGCCGATCGAGCACCTCAAAGAGCATAGCAGCGACCAGCCCGCG
GCGGCCAGCGTGTGGAAGAGGAAGCGCATGGATCGCATGATGGTGGAGCACCTGCTGCGTTGCGGCTAC
TACAACACGGCTGTCAAGCTGGCGGCCAGAGCGCATCGAGACATGCAAGAAAGCACTTACGCCAAGC
AGAAGGGAGCCAGCTGGACGAGGTGCGCCAGGCCATGGGCATGCTGGCCTTCCCGCCGACACGCACAT
CTCCCCGTACAAGGACCTTCTGGACCCTGCACGGTGGCGGATGCTGATCCAGCAGTTCGGTACGACAA
CTACCGACTACACCAGCTGGGAAACAATTCTGTGTTACCCCTCACCTGCAGGCTGGCCTCTCAGCCAT
CAAGACACCTGCTACAAGGAGGACGCGAGCTCCAAGAGCCCTGACTGCCCTGTGTGACGCCGCTCCCTG
ACAAGCTGGCGCAGCCCTGCCATGGCCACTGTGCCAACTCCCGCCTGGTCTGCAAGATTTCTGGC
GACGTGATGAACGAGAACAATCCGCCATGATGCTGCCAACGGCTACGTCTACGGCTACAATTTCTGTG
CTTTCTATCCGTCAAGATGATAAAGTCGTGTGCCGAGAACCAAGAAGTCTTCCACTTCTACAAGCC
GAGAAGGTGTACATCATG
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC
```



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**Protein Sequence:** >Peptide sequence encoded by RG237474  
 Blue=ORF Red=Cloning site Green=Tag(s)

MAVQESAAQLSMTLKVQEYPTLKVPEYTLNKRFRAAQKNIDRETSHVTMVVAELEKTLSGCPAVDSVVS  
 LLDGVVEKLSVLKRKAVESIQAEDESAKLCKRRIEHLKEHSSDQPAASVWKRKRMDRMMVEHLLRCGY  
 YNTAVKLARQSGIETCKKALQPSRREPAGRGAPGHGAGLPARHAHLPVQGPSGCTVADADPAVPVRQ  
 LPTTPAGKQFCVHPHPAGWPLSHQDTCYKEDGSSKSPDCPVCSRSLNKLAPLPMAHCANSRLVCKISG  
 DVMNENPPMMLPNGYVYGYNLLSIRQDDKVVCPRTKEVFHFSQAEKVYIM  
 TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGGEGTPEQGRMTNKMKSTKGALTFSPYLLSHV  
 MGYGFYHFGTYPSTYENPFLHAINNGGYTNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPEP  
 SVIFTDKIIRSNATVEHLHPMGDNDLDGSFTRTFSLRDGGYSSVVDSTMHFKSAIHPSILQNGGPMFA  
 FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_001297431

**ORF Size:** 984 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).

**RefSeq:** [NM\\_001297431.2](#)

**RefSeq Size:** 2046 bp

**RefSeq ORF:** 987 bp

Locus ID: 10296

UniProt ID: [Q7L5Y9](#)

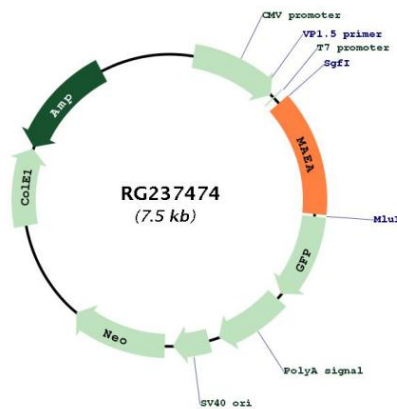
Cytogenetics: 4p16.3

Protein Families: Druggable Genome

MW: 36.6 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]

**Product images:**



Circular map for RG237474