

Product datasheet for **RG237623**

MAEA (NM_001297433) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MAEA (NM_001297433) 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:	>RG237623 representing NM_001297433. Blue=ORF Red=Cloning site Green=Tag(s)

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GCTCGTTTGTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGCATCGCC
ATGGTGGTGGCCGAGCTGGAGAAGCGTTGAGCGGCTGCCCGCCGCTGGACTCCGTGGTCAGCCTGCTG
GACGGCGTGGTGGAGAAGCTCAGCGTCTCAAGAGGAAGCGGTGGAATCCATCCAGGCCGAGGACGAG
AGCGCCAAGCTGTGCAAGCGCCGGATCGAGCACCTCAAAGAGCATAGCAGCGACCAGCCCGCGGGCC
AGCGTGTGGAAGAGGAAGCGCATGGATCGCATGATGGTGGAGCACCTGCTGCGTTGCGGCTACTACAAC
ACGGCTGTCAAGCTGGCGGCCAGAGCGGCATCGAGGACCTAGTGAATATTGAGATGTTCTGACGGCC
AAAGAGGTGGAGGAGTCCCTGGAGAGCGTGAGACGGCCACCTGCCTGGCCTGGTCCATGACAACAAG
TCCCGGCTCCGGAAGATGAAGAGCTGCCTGGAGTTCAGCCTCAGAATCCAGGAGTTCATTGAACTCATC
CGGCAGAATAAGAGACTGGACGCTGTGAGACATGCAAGAAAGCACTTCAGCCAAGCAGAAGGGAGCCAG
CTGGACGAGGTGCGCCAGGCCATGGGCATGCTGGCCTTCCCGCCGACACGCACATCTCCCCGTACAAG
GACCTTCTGGACCCTGCACGGTGGCGGATGCTGATCCAGCAGTTCGGGTACGACAACCTACCGACTACAC
CAGCTGGGAAACAATTCTGTGTTCAACCTACCCCTGCAGGCTGGCCTCTCAGCCATCAAGACCCACAG
TGCTACAAGGAGGACGGCAGCTCCAAGAGCCCTGACTGCCCTGTGTGCAGCCGCTCCCTGAACAAGCTG
GCGCAGCCCTGCCATGGCCACTGTGCCAATCCCCTGGTCTGCAAGATTTCTGGCGACGTGATG
AACGAGAACAATCCGCCATGATGCTGCCAACGGCTACGCTACGGCTACAATTTCTGCTTTTCTATC
CGTCAAGATGATAAAGTCGTGTGCCGAGAACCAAGAAGTCTTCCACTTCTCACAAGCCGAGAAGGTG
TACATCATG
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC
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Protein Sequence: >Peptide sequence encoded by RG237623
 Blue=ORF Red=Cloning site Green=Tag(s)

MVVAELEKTLSGCPAVDSVVSLLDGVVEKLSVLKRKAVESIQAEDESAKLCKRRIEHLKEHSSDQPAAA
 SVWKRKRMDRMMVEHLLRCGYNTAVKLARQSGIEDLVNIEMFLTAKEVEESLERRETATCLAWCHDNK
 SRLRKMKSCLFSLRIQEFIELIRQNKRLDAVRHARKHFSQAEGSQLDEVQAMGLAFPPDTHISPYK
 DLLDLPARWRMLIQQFRYDNYRLHQLGNNSVFTLTLQAGLSAIKTPQCYKEDGSSKSPDCPVCSRSLNKL
 AQPLPMAHCANSRLVCKISGDVMNENPPMMLPNGYVYGYNSLLSIRQDDKVVCPRTKEVVFHFSQAQEKV
 YIM
 TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGEGTPEQGRMTNKMSTKGALTFSPYLLSHV
 MGYGFYHFGTYPSTYENPFLHAINNGGYNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPED
 SVIFTDKIIRSNATVEHLHPMGDNDLDGSFTRTFSLRDGGYSSVVDSHMHFKSAIHPSILQNGGPMFA
 FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001297433

ORF Size: 1044 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.

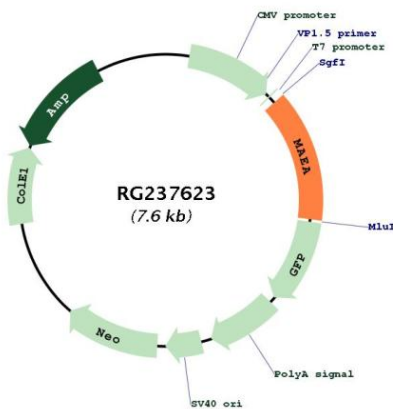
Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

RefSeq: [NM_001297433.1](#), [NP_001284362.1](#)

RefSeq Size: 2324 bp

RefSeq ORF:	1047 bp
Locus ID:	10296
Cytogenetics:	4p16.3
Protein Families:	Druggable Genome
MW:	40.2 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]

Product images:



Circular map for RG237623