

Product datasheet for **MG210179**

Eomes (NM_010136) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Eomes (NM_010136) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Eomes
Synonyms:	C77258; TBR-2; Tbr2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide
Sequence:**

>MG210179 representing NM_010136
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCAGTTGGGAGAGCAGCTCCTGGTGAGCTCGGTGAACCTGCCCGCGCGCACTTCTACTCGTGGAGA
 GTGCTCGCGGAGGAGGAGGAGGAGGAGGCGGAGGAGGAGGGGAGGCGGAGGGAGCGTCAGCCTCCTCCC
 CGGTGCTGCCCCCTCGCCCCAGAGGCTGGACTTAGACAAAGCGTCCAAGAAGTTTCCGGGAGTCTCCCG
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 CCGGGGTGTACAACAGCGCTTGAAGAGAAAGCGCTGTCTCCAGCACCCCCAGCAATGGAAACTCGCC
 CCCATAAAGTGTGAGGACATTAACACTGAAGAGTACAGTAAAGACACCTCCAAGGCATGGGGGCTTAT
 TATGCTTTTTACACAAGTCCC

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence: >MG210179 representing NM_010136
 Red=Cloning site Green=Tags(s)

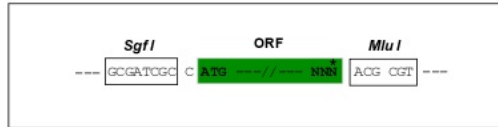
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 YTSSTLLPYGIKSLPLQTSHALGYYPDPTFPAMAGWGGRGAYQRKMAAGLPWTSRMSPPVFPEDQLAKEK
 VKEIISSWIETPPSIKSLDSSDSGVYNSACKRKRLSPSTPSNGNSPPIKCEDINTEEYSKDTSKGMGAY
 YAFYTSP

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:

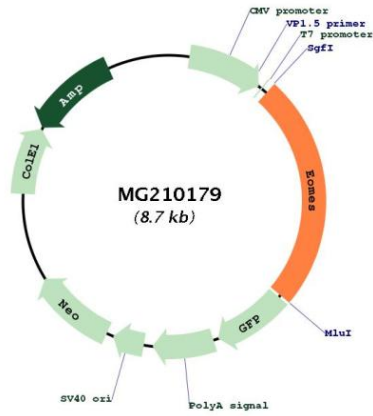


ACCN: NM_010136

ORF Size: 2121 bp

OTI Disclaimer:	<p>Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>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</p>
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:	<ol style="list-style-type: none"> 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_010136.3 , NP_034266.2
RefSeq Size:	3731 bp
RefSeq ORF:	2124 bp
Locus ID:	13813
UniProt ID:	Q54839
Cytogenetics:	9 F3
Gene Summary:	<p>Functions as a transcriptional activator playing a crucial role during development. Functions in trophoblast differentiation and later in gastrulation, regulating both mesoderm delamination and endoderm specification. Plays a role in brain development being required for the specification and the proliferation of the intermediate progenitor cells and their progeny in the cerebral cortex. Also involved in the differentiation of CD8+ T-cells during immune response regulating the expression of lytic effector genes.[UniProtKB/Swiss-Prot Function]</p>

Product images:



Circular map for MG210179