

Product datasheet for **MR227087**

Eomes (NM_001164789) Mouse Tagged ORF Clone

Product data:

| | |
|--------------------|---|
| Product Type: | Expression Plasmids |
| Product Name: | Eomes (NM_001164789) Mouse Tagged ORF Clone |
| Tag: | Myc-DDK |
| Symbol: | Eomes |
| Synonyms: | C77258; TBR-2; Tbr2 |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |
| Cell Selection: | Neomycin |



[View online »](#)

ORF Nucleotide
Sequence:

>MR227087 representing NM_001164789
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGCATCGCC**

ATGCAGTTGGGAGAGCAGCTCCTGGTGAGCTCGGTGAACCTGCCCGCGCGCACTTCTACTCGTGGAGA
GTGCTCGCGGAGGAGGAGGAGGAGGAGGCGGAGGAGGAGGGGAGGCGGAGGGAGCGTCAGCCTCCTCCC
CGGTGCTGCCCCCTCGCCCAGAGGCTGGACTTAGACAAAGCGTCCAAGAAGTTTCCGGGAGTCTCCCG
TGCCAGGCGGGGAGCGCAGAACCCGAGGCGCCGGCGCGGGGGCCCCCGCGGCCATGCTCAGTGACGCGG
ACGCTGGGACACCTTCGGGAGCACCTCGGCGGTGGCCAAGCCCGGGCCCCCGACGCGCCGAAGGGCTC
CCCGTGC GCGGAGGAGGAGCTGCCCTCCGCGCCACCGCCGCGGCCACCGCGCGTACTCCATGGACAGC
CTGAGCTCCGAGCGCTACTACCTCCCGTCGCGGGACCGCAGGGCTCCGAGCTCGCCGCGCCCTGCTCGC
TCTTCCAGTACCCGGCGCGGCCGGAGCAGCCACGGACCCGTGTACCCCGCTCCAATGGCGCGCGCTA
CCCCTACGGCTCCATGCTGCCCCCGGTGGATTCCCCCGCGCGGTGTGCCCGCCCGAGGGCGCAGTTC
GGCCCCGCTGCGGGTTCGGGGAGCGGCGCTGGTAGCAGCGCGGTGGTGC CGGCGGTCTTGCGCCATC
CCTACGGCCAGGGTTCTCCGCTCTACGGGCCATACGCCGGAACCTCAGCGGCCGGGTCTTGTGGAGGATT
GGGGGGCTAGGGGTGCCTGGCTCCGGCTTCGCGCCACGTCTACCTGTGCAACCGGCCCTATGGCTC
AAATCCACCGGCACAAACTGAGATGATCATCAACAAACAGGGCAGGCGCATGTTTCTTTCTTGAGCT
TCAACATAAACGGACTCAACCCACCGCCACTACAATGTTTTCGTGGAAGTGGTCTGGCCGACCTAA
CCACTGGCGCTTCAGGGGGCAAGTGGTGACCTGCGGCAAAGCGGACAATAACATGCAGGGCAATAAG
ATGTACGTTACCCAGAATCTCCTAACACTGGCTCCACTGGATGAGGCAGGAGATTTCTTTGGGAAGT
TAAACTCACCAATAACAAAGGTGCAAAACAACAACACACAGATGATAGTGTTCAGTCTCTGCACAA
ATACCAACCGAGGCTGCACATCGTGGAAGTGACAGAGGACGGTGTGGAGGACTGAATGAACCTTCCAAG
ACTCAGACCTTACCTTCTCAGAGACACAGTTCATCGCTGTGACGGCCTACCAAAACACGGATATCACCC
AGCTAAAGATCGACCATAACCCCTTCGCAAAAGGCTTCGCGGACAACACTACGATTCATCCCATCAGATTGT
CCCTGGAGGTCCGTACGGCGTTCAAACCTTCTCCCGAGCCCTTGTCAACACTTTGCCTCAAGCCCGA
TATTATAACGGTGAGAGAACCGTGCCACAGACCAACGGCCTCCTCTACCCCAACAGAGCGAAGAGGTGG
CCAACCTCCCCAGCGGTGGCTTGTACGCCTGTCCAGCAACCTGTGACCAACAAGCTAGACATCGGTTT
TTATGAATCTGAATATACTTCCAGTACCTTGTCCCATATGGTATTAAGTCTTGCCCTGCAGACATCC
CATGCCCTGGGGTATTACCTGACCCGACCTTCCCTGCTATGGCAGGGTGGGAGCCGTGGCGCTATC
AGAGGAAGATGGCAGCTGGACTACCATGGACATCCAGAATGAGCCACCTGTCTTCCAGAAAGATCAGCT
TGCCAAGGAAAAAGTTAAAGAAGAGATTAGTTCCTCCTGGATAGAGACTCCCCCTCCATCAAGTCTCTA
GACTCCAGCGACTCCGGGTGTACAACAGCGCTTGCAAGAGAAAGCGCCTGTCTCCAGCACCCCGAGCA
ATGGAACTCGCCCCCATAAAGTGTGAGGACATTAACACTGAAGAGTACAGTAAAGACACCTCCAAAGG
CATGGGGGCTTATTATGCTTTTTACACAAGTCCC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR227087 representing NM_001164789
 Red=Cloning site Green=Tags(s)

MQLGEQLLVSSVNLPGAHFYSLESARGGGGGGGGGGGGGSVSLLPGAAPSPQRLDLKASKKFPGLP
 CQAGSAEPAGAGAPAAMLSDADAGDTFGSTSAVAKGPPDGRKGSPCAEEELPSAATAATARYSMD
 LSSERYLLPSPGPQGSELAAPCSLFQYPAAGAAGHPVYPASNGARYPYGSMPLPPGGFPAAVCPPARAQF
 GPAAGSGSGAGSSGGGAGGPGAYPYGQGSPLYGPYAGTSAAGSCGGLGGLGVPGSGFRAHVYLCNRPLWL
 KFHRHQTEMIITKQGRMFPLSFNINGLNPTAHYNVFEVVLADPNHWRFGGGKWVTCGKADNNMQGNK
 MYVHPESPNTGSHMRQEISFGKLLKLNKGANNNNTQMIVLQSLHKYQPRHLHIVEVTEDEVEDLNPSK
 TQTFSETQFIAVTAYQNTDITQLKIDHNPFAKGFDRNDYSSHQIVPGGRYGVQNFPEPFVNTLPQAR
 YYNGERTVPQTNGLLSPQQSEEVANPPQRWL VTPVQQPVTKLDIGSYEYTSSTLLPYGKISLPLQTS
 HALGYPDPTFPAMAGWGGGAYQRKMAAGLPWTSRMSPPVFPEDQLAKEVKKEISSSWIETPPSIKSL
 DSSDSGVYNSACKRKRLSPSTPSNGNSPPIKCEDINTEEYSKDTSKGMGAYYAFYTSP

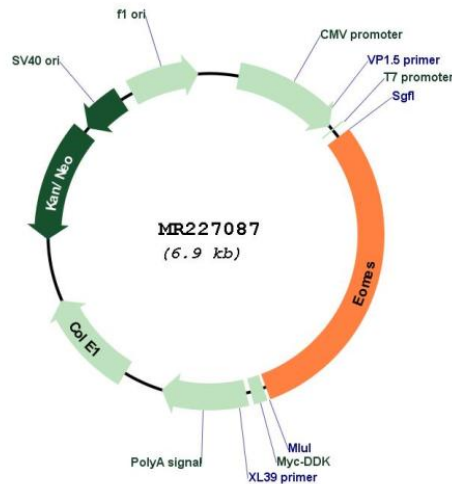
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:


ACCN: NM_001164789

ORF Size: 2064 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.

RefSeq: [NM_001164789.1](#), [NP_001158261.1](#)

RefSeq Size: 3674 bp

RefSeq ORF: 2067 bp

Locus ID: 13813

UniProt ID: [O54839](#)

Cytogenetics: 9 F3

MW: 73.1 kDa

Gene Summary: 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]