

Product datasheet for **MC220492**

Eomes (NM_001164789) Mouse Untagged Clone

Product data:

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



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Fully Sequenced ORF: >MC220492 representing NM_001164789
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCGATTGGGAGAGCAGCTCCTGGTGAGCTCGGTGAACCTGCCCGCGCGCACTTCTACTCGTGGAGA
 GTGCTCGCGGAGGAGGAGGAGGAGGAGGCGGAGGAGGAGGGGAGGCGGAGGGAGCGTCAGCCTCCTCCC
 CGGTGCTGCCCTCGCCCCAGAGGCTGGACTTAGACAAAGCGTCCAAGAAGTTCCGGGAGTCTCCCG
 TGCCAGGCGGGGAGCGCAGAACCAGCGCGCGGGGCCCCCGCGGCCATGCTCAGTGACGCGG
 ACGCTGGGACACCTTCGGGAGCACCTCGGCGGTGGCCAAGCCGGGCCCCCGACGCGCCGAAGGGCTC
 CCCGTGCGCGGAGGAGGAGCTGCCCTCCGCGCCACCGCCGCGGCCACCGCGCTACTCCATGGACAGC
 CTGAGCTCCGAGCGCTACTACCTCCCGTCGCGGGACCGCAGGGCTCCGAGCTCGCCGCGCCTGCTCGC
 TCTTCCAGTACCGGGCGCGGCCGGAGCAGCCACGGACCCGTGTACCCCGCTCCAATGGCGCGCCTA
 CCCCTACGGCTCCATGCTGCCCCCGGTGGATTCCCCCGCGCGTGTGCCCGCCGCGAGGGCGCAGTTC
 GGCCCCGCTGCGGGTTCGGGGAGCGGCGTGGTAGCAGCGCGGTGGTGC CGGCGGTCTGGCGCCTATC
 CCTACGGCCAGGGTTCTCCGCTCTACGGGCCATACGCCGAACCTCAGCGGCCGGGTCTTGTGGAGGATT
 GGGGGGCTAGGGGTGCCTGGCTCCGGCTTCGCGCCACGTCTACCTGTGCAACCGGCCCTATGGCTC
 AAATCCACCGGCACAACTGAGATGATCATCAACAAAGGGCAGGCGCATGTTTCTTTCTTGAGCT
 TCAACATAAAGCGACTCAACCCACCGCCACTACAATGTTTTCGTGGAAGTGGTCTGGCCGACCTAA
 CCACTGGCGCTTCAGGGGGCAAGTGGTGACCTGCGGCAAAGCGGACAATAACATGCAGGGCAATAAG
 ATGTACGTTACCCAGAATCTCCTAACACTGGCTCCACTGGATGAGGCAGGAGATTTCTTTGGGAAGT
 TAAAACACCAATAACAAAGGTGCAAAACAACAACAACACACAGATGATAGTGTTCAGTCTCTGCACAA
 ATACCAACCGAGGCTGCACATCGTGGAAGTGACAGAGGACGGTGTGGAGGACTTGAATGAACCTTCCAAG
 ACTCAGACCTTACCTTCTCAGAGACACAGTTCATCGCTGTGACGGCCTACCAAAACACGGATATCACCC
 AGCTAAAGATCGACCATAACCCCTTCGCAAAAGGCTTCGGGACAACACTACGATTCATCCCATCAGATTGT
 CCCTGGAGGTCCGTACGGCGTTCAAACCTTCTCCCGAGCCCTTGTCAACACTTTGCCTCAAGCCCGA
 TATTATAACGGTGAGAGAACCGTGCCACAGACCAACGGCCTCTCTACCCCAACAGAGCGAAGAGGTGG
 CCAACCTCCCCAGCGGTGGCTTGTACGCCTGTCCAGCAACCTGTGACCAACAAGTACAGATCGGTTT
 TTATGAATCTGAATATACTTCCAGTACCTTGTCCCATATGGTATTAAGTCTTGCCCTGCAGACATCC
 CATGCCCTGGGGTATTACCTGACCCGACCTTCCCTGCTATGGCAGGGTGGGAGCCGTGGCGCTTATC
 AGAGGAAGATGGCAGCTGGACTACCATGGACATCCAGAATGAGCCACCTGTCTTCCAGAAAGATCAGCT
 TGCCAAGGAAAAAGTTAAAGAAGAGATTAGTTCCTCCTGGATAGAGACTCCCCCTCCATCAAGTCTCTA
 GACTCCAGCGACTCCGGGTGTACAACAGCGCTTGCAAGAGAAAGCGCCTGTCTCCAGCACCCCGAGCA
 ATGGAACTCGCCCCCATAAAGTGTGAGGACATTAACACTGAAGAGTACAGTAAAGACACCTCCAAAGG
 CATGGGGCTTATTATGCTTTTTACACAAGTCCCTAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_001164789
- Insert Size:** 2067 bp
- OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
- 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:	<u>NM_001164789.1, NP_001158261.1</u>
RefSeq Size:	3674 bp
RefSeq ORF:	2067 bp
Locus ID:	13813
UniProt ID:	<u>O54839</u>
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> <p>Transcript Variant: This variant (2) uses an alternate in-frame splice junction at the 5' end of an exon compared to variant 1. The resulting isoform (2) has the same N- and C-termini but is shorter compared to isoform 1.</p>