

Product datasheet for **SC337262**

EOMES (NM_001278182) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	EOMES (NM_001278182) Human Untagged Clone
Tag:	Tag Free
Symbol:	EOMES
Synonyms:	TBR2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >NCBI ORF sequence for NM_001278182, the custom clone sequence may differ by one or more nucleotides

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ATGCAGTTAGGGGAGCAGCTCTTGGTGAGCTCAGTGAACCTGCCTGGCGGCACTTCTACCCGCTGGAGA
GTGCGCGAGGCGGCAGCGGGGAGCGCTGGCCACCTCCCCAGCGCGGCCCTCTCCTCAGAAGTTGGA
CTTAGACAAAGCGTCCAAGAAGTTTTCCGGCAGTCTCTCCTGCGAGGCGGTGAGCGGGGAGCCCGCAGCC
GCCAGCGCAGGGGCCCGCGGCCATGCTTAGTGACACCGACCGCGGGGACGATTTGCCAGCGCTGCGG
CAGTGGCCAAGCCGGGGCCCCGGCAGCGCCGAAGGGCTCCCCCTGCGGGGAGGAGGAGTGCCTCCGC
CGCTGCAGCCGCCCGCCGCCCGCGGGCTGCGGCCACTGCGCGCTACTCCATGGACAGCCTGAGC
TCCGAGCGGTACTACCTCAGTCCCCGGTCTCAGGGTTCGGAGCTGGCTGCGCCCTGCTCACTTTCC
CGTACCAGGCGGGCTGGGGCGCCCCACGGACCTGTGTACCCGGCTCTAACGGGGCGCGCTACCCCTA
CGGCTCCATGCTGCCCGCGGGCTTCCCGCGGCTGTGTGCCACCCGGGAGGGCGCAGTTCGGCCCA
GGAGCCGTTGCGGGCAGTGGCGGGGGTTCAGCAGCGGGGGGGCGGGCCCGGCACCTATCAGTACA
GCCAGGGGGTCCGCTCTACGGGCGTACCTGGAGCCGACGCGGGATCTTGCGGAGGACTGGGGGG
CCTGGGGTTCCAGGTTCTGGCTTCCGTGCCACAGTCTACCTGTGCAACCGGCCTCTGTGGCTCAAATC
CACCGCCACAAACTGAGATGATCATTACGAAACAGGGCAGGCGCATGTTTCTTTCTTGAGCTTAAACA
TAAACGGACTCAATCCCCTGCCCCTACAATGTGTTTCGTAGAGGTGGTGTGGCGGACCCCAACCACTG
GCGCTTCCAGGGGGCAAATGGGTGACCTGTGGCAAAGCCGACAATAACATGCAGGGCAACAAAATGTAT
GTTCAACCAGAGTCTCCTAATACTGGTTCCTGACTGGATGAGACAGGAGATTTCAATCGGGAAATTAAC
TCACCAATAACAAAGGCGCAAATAACAACAACACCCAGATGATAGTCTTACAATCCTTACACAAATACCA
ACCCCGACTGCATATTGTTGAAGTTACAGAGGATGGCGTGGAGGACTTGAATGAGCCCTCAAAGACCCAG
ACTTTTACCTTCTCAGAAACGCAATTCATTGCAGTACTGCCTACCAAAACACCGATATTACTCACTAA
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TGACAGGTTAACTCCATCTCCCACGATTCTCCTAGATCCATCAGATTGTCCTGGAGGTCCGTACGGC
GTTCAATCCTTCTTCCGGAGCCCTTTGTCAACTTTACCTCAAGCCGCTATTATAATGGCGAGAGAA
CCGTGCCACAGACCAACGGCCTCTTCCACCCCAACAGAGCGAAGAGGTGGCAACCCCTCCCAGCGGTG
GCTTGTACGCTGTCCAGCACTGGGACCAACAACTAGACATCAGTTCCTATGAATCTGAATATACT
TCTAGCACATTGCTCCCATATGGCATTAAATCCTTGCCTTCCAGACATCCCATGCCCTGGGGTATTACC
CAGACCAACCTTCTGCAATGGCAGGTTGGGAGGTCGAGGTTCTTACCAGAGGAAGATGGCAGCTGG
ACTACCATGGACCTCCAGAACAAGCCCACTGTGTTCTCTGAAGATCAGCTCTCAAGGAGAAAGTGAAA
GAGGAAATTTGGCTCTTCTGGATAGAGACACCCCTTCCATCAAATCTCTAGATTCCAATGATTCAGGAG
TATACACCAAGTGTGTAAGCGAAGCGGCTGTCTCTAGCAACTCCAGTAATGAAAATTCACCCCTCAT
AAAGTGTGAGGACATTAATGCTGAAGAGTATAGTAAAGACACCTCAAAGGCATGGGAGGGTATTATGCT
TTTTACACAACCTCCCTAA
    
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Restriction Sites: SgfI-MluI

ACCN: NM_001278182

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_001278182.1, NP_001265111.1</u>
RefSeq Size:	3674 bp
RefSeq ORF:	2118 bp
Locus ID:	8320
UniProt ID:	<u>O95936</u>
Cytogenetics:	3p24.1
Protein Families:	Embryonic stem cells, ES Cell Differentiation/IPS, Transcription Factors
Gene Summary:	<p>This gene belongs to the TBR1 (T-box brain protein 1) sub-family of T-box genes that share the common DNA-binding T-box domain. The encoded protein is a transcription factor which is crucial for embryonic development of mesoderm and the central nervous system in vertebrates. The protein may also be necessary for the differentiation of effector CD8+ T cells which are involved in defense against viral infections. A similar gene disrupted in mice is shown to be essential during trophoblast development and gastrulation. Alternative splicing results in multiple transcript variants. [provided by RefSeq, May 2013]</p> <p>Transcript Variant: This variant (1) represents the longest transcript and encodes the longest isoform (1).</p>