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Product datasheet for RC221014L2V

EOMES (NM_005442) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	EOMES (NM_005442) Human Tagged ORF Clone Lentiviral Particle
Symbol:	EOMES
Synonyms:	TBR2
Mammalian Cell Selection:	None
Vector:	pLenti-C-mGFP (PS100071)
Tag:	mGFP
ACCN:	NM_005442
ORF Size:	2058 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC221014).
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.
RefSeq:	NM_005442.2
RefSeq Size:	2756 bp
RefSeq ORF:	2061 bp
Locus ID:	8320
UniProt ID:	O95936
Cytogenetics:	3p24.1
Domains:	T-box
Protein Families:	Embryonic stem cells, ES Cell Differentiation/IPS, Transcription Factors

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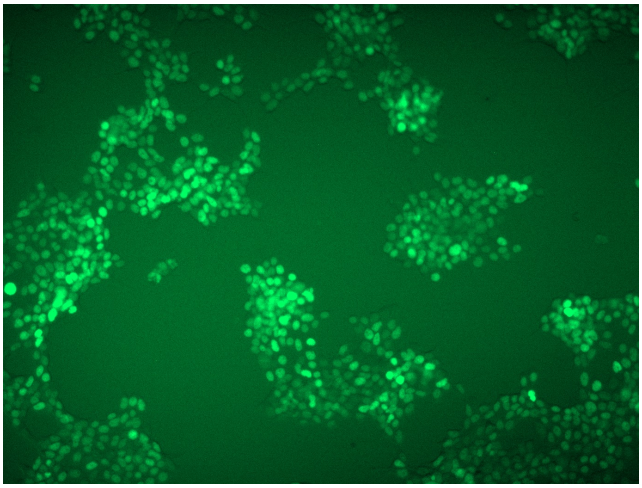
MW: 72.6 kDa

Gene Summary: 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]

Product images:



[RC221014L2] was used to prepare Lentiviral particles using [TR30037] packaging kit. HEK293T cells were transduced with RC221014L2V particle to overexpress human EOMES-mGFP fusion protein.