

Product datasheet for **RC207902L2V**

TBX21 (NM_013351) Human Tagged ORF Clone Lentiviral Particle

Product data:

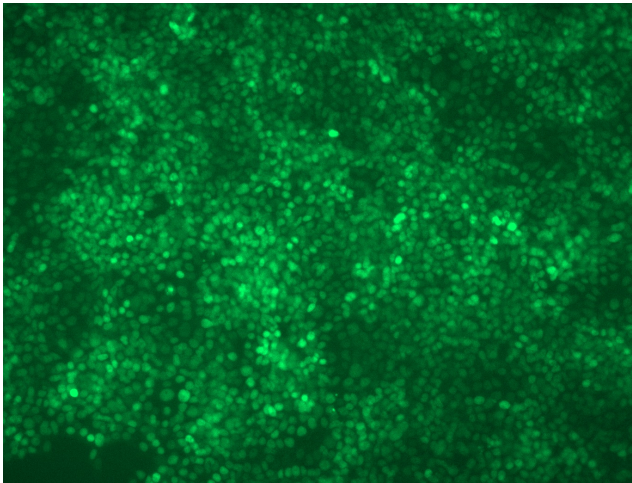
Product Type:	Lentiviral Particles
Product Name:	TBX21 (NM_013351) Human Tagged ORF Clone Lentiviral Particle
Symbol:	TBX21
Synonyms:	T-bet; T-PET; TBET; TBLYM
Mammalian Cell Selection:	None
Vector:	pLenti-C-mGFP (PS100071)
Tag:	mGFP
ACCN:	NM_013351
ORF Size:	1605 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC207902).
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_013351.1
RefSeq Size:	2589 bp
RefSeq ORF:	1608 bp
Locus ID:	30009
UniProt ID:	Q9UL17
Cytogenetics:	17q21.32
Domains:	T-box
Protein Families:	Druggable Genome, Transcription Factors


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MW: 58.1 kDa

Gene Summary: This gene is a member of a phylogenetically conserved family of genes that share a common DNA-binding domain, the T-box. T-box genes encode transcription factors involved in the regulation of developmental processes. This gene is the human ortholog of mouse Tbx21/Tbet gene. Studies in mouse show that Tbx21 protein is a Th1 cell-specific transcription factor that controls the expression of the hallmark Th1 cytokine, interferon-gamma (IFNG). Expression of the human ortholog also correlates with IFNG expression in Th1 and natural killer cells, suggesting a role for this gene in initiating Th1 lineage development from naive Th precursor cells. [provided by RefSeq, Jul 2008]

Product images:



[RC207902L2] was used to prepare Lentiviral particles using [TR30037] packaging kit. HEK293T cells were transduced with RC207902L2V particle to overexpress human TBX21-mGFP fusion protein.