

## Product datasheet for **MR224937L4V**

### Tbx6 (NM\_011538) Mouse Tagged ORF Clone Lentiviral Particle

#### Product data:

Product Type:	Lentiviral Particles
Product Name:	Tbx6 (NM_011538) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Tbx6
Synonyms:	rv
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_011538
ORF Size:	1308 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR224937).
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. <a href="#">More info</a>
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:	<a href="#">NM_011538.2</a> , <a href="#">NP_035668.2</a>
RefSeq Size:	1731 bp
RefSeq ORF:	1311 bp
Locus ID:	21389
UniProt ID:	<a href="#">P70327</a>
Cytogenetics:	7 69.25 cM



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**Gene Summary:**

T-box transcription factor that plays an essential role in the determination of the fate of axial stem cells: neural vs mesodermal. Acts in part by down-regulating, a specific enhancer (N1) of SOX2, to inhibit neural development. Seems to play also an essential role in left/right axis determination and acts through effects on Notch signaling around the node as well as through an effect on the morphology and motility of the nodal cilia.[UniProtKB/Swiss-Prot Function]