

Product datasheet for **RR208413L4V**

Tbx6 (NM_001108920) Rat Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Tbx6 (NM_001108920) Rat Tagged ORF Clone Lentiviral Particle
Symbol:	Tbx6
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_001108920
ORF Size:	1308 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RR208413).
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_001108920.1 , NP_001102390.1
RefSeq Size:	1726 bp
RefSeq ORF:	1311 bp
Locus ID:	365371
UniProt ID:	D3ZJK7
Cytogenetics:	1q36



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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 also play 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 (By similarity).
[UniProtKB/Swiss-Prot Function]