

## Product datasheet for **RC216520L1V**

### **TBX5 (NM\_000192) Human Tagged ORF Clone Lentiviral Particle**

#### **Product data:**

|                           |  |
|---------------------------|--|
| Product Type:             | Lentiviral Particles   |
| Product Name:             | TBX5 (NM_000192) Human Tagged ORF Clone Lentiviral Particle  |
| Symbol:                   | TBX5   |
| Synonyms:                 | HOS  |
| Mammalian Cell Selection: | None   |
| Vector:                   | pLenti-C-Myc-DDK (PS100064)  |
| Tag:                      | Myc-DDK  |
| ACCN:                     | NM_000192  |
| ORF Size:                 | 1554 bp  |
| ORF Nucleotide Sequence:  | The ORF insert of this clone is exactly the same as(RC216520).   |
| 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_000192.3</a> , <a href="#">NP_000183.2</a>  |
| RefSeq Size:              | 3921 bp  |
| RefSeq ORF:               | 1557 bp  |
| Locus ID:                 | 6910   |
| UniProt ID:               | <a href="#">Q99593</a>   |
| Cytogenetics:             | 12q24.21   |
| Domains:                  | T-box  |
| Protein Families:         | Druggable Genome, Transcription Factors  |

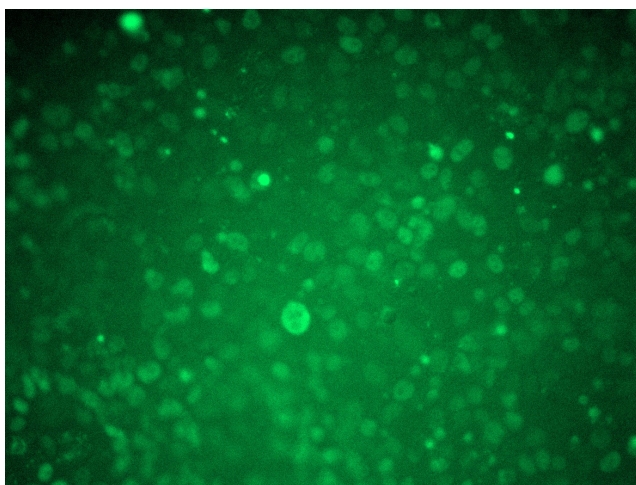


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MW: 57.5 kDa

**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 closely linked to related family member T-box 3 (ulnar mammary syndrome) on human chromosome 12. The encoded protein may play a role in heart development and specification of limb identity. Mutations in this gene have been associated with Holt-Oram syndrome, a developmental disorder affecting the heart and upper limbs. Several transcript variants encoding different isoforms have been described for this gene. [provided by RefSeq, Jul 2008]

### Product images:



[RC216520L1] was used to prepare Lentiviral particles using [TR30037] packaging kit. HEK293T cells were transduced with RC216520L1V particle to overexpress human TBX5-Myc-DDK fusion protein.