

## Product datasheet for **RC203545L3V**

### SOX10 (NM\_006941) Human Tagged ORF Clone Lentiviral Particle

#### Product data:

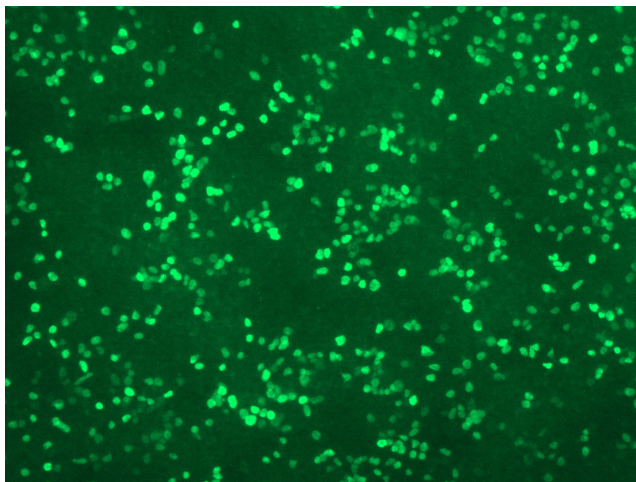
Product Type:	Lentiviral Particles
Product Name:	SOX10 (NM_006941) Human Tagged ORF Clone Lentiviral Particle
Symbol:	SOX10
Synonyms:	DOM; PCWH; WS2E; WS4; WS4C
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_006941
ORF Size:	1398 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC203545).
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_006941.3</a>
RefSeq Size:	2882 bp
RefSeq ORF:	1401 bp
Locus ID:	6663
UniProt ID:	<a href="#">P56693</a>
Cytogenetics:	22q13.1
Protein Families:	Adult stem cells, ES Cell Differentiation/IPS, Induced pluripotent stem cells, Transcription Factors


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**MW:** 49.9 kDa

**Gene Summary:** This gene encodes a member of the SOX (SRY-related HMG-box) family of transcription factors involved in the regulation of embryonic development and in the determination of the cell fate. The encoded protein may act as a transcriptional activator after forming a protein complex with other proteins. This protein acts as a nucleocytoplasmic shuttle protein and is important for neural crest and peripheral nervous system development. Mutations in this gene are associated with Waardenburg-Shah and Waardenburg-Hirschsprung disease. [provided by RefSeq, Jul 2008]

**Product images:**



[RC203545L3] was used to prepare Lentiviral particles using [TR30037] packaging kit. HEK293T cells were transduced with RC203545L3V particle to overexpress human SOX10-Myc-DDK fusion protein.