

## Product datasheet for **RC221645L3V**

### **BRN4 (POU3F4) (NM\_000307) Human Tagged ORF Clone Lentiviral Particle**

#### **Product data:**

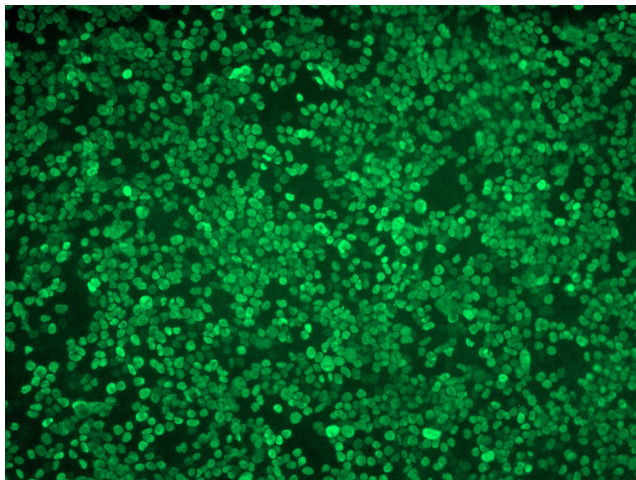
Product Type:	Lentiviral Particles
Product Name:	BRN4 (POU3F4) (NM_000307) Human Tagged ORF Clone Lentiviral Particle
Symbol:	BRN4
Synonyms:	BRAIN-4; BRN-4; BRN4; DFN3; DFNX2; OCT-9; OTF-9; OTF9
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_000307
ORF Size:	1083 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC221645).
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_000307.1</a>
RefSeq Size:	1481 bp
RefSeq ORF:	1086 bp
Locus ID:	5456
UniProt ID:	<a href="#">P49335</a>
Cytogenetics:	Xq21.1
Protein Families:	Druggable Genome, Transcription Factors
MW:	39.2 kDa



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**Gene Summary:**

This gene encodes a member of the POU-III class of neural transcription factors. This family member plays a role in inner ear development. The protein is thought to be involved in the mediation of epigenetic signals which induce striatal neuron-precursor differentiation. Mutations in this gene are associated with X chromosome-linked nonsyndromic mixed deafness. [provided by RefSeq, Dec 2012]

**Product images:**

[RC221645L3] was used to prepare Lentiviral particles using [TR30037] packaging kit. HEK293T cells were transduced with RC221645L3V particle to overexpress human POU3F4-Myc-DDK fusion protein.