

Product datasheet for **RC201140L3V**

PROX1 (NM_002763) Human Tagged ORF Clone Lentiviral Particle

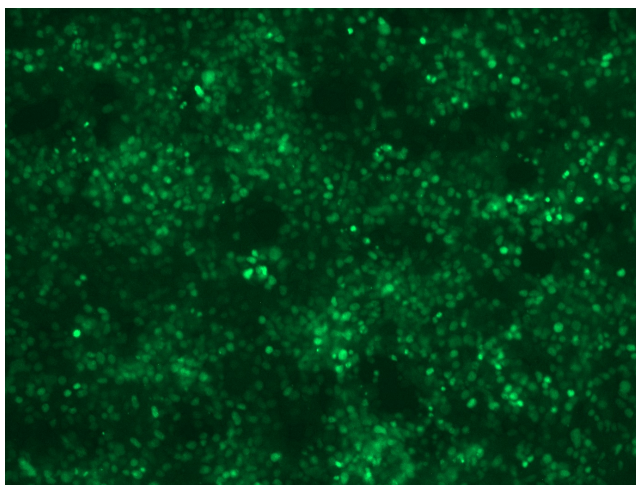
Product data:

Product Type:	Lentiviral Particles
Product Name:	PROX1 (NM_002763) Human Tagged ORF Clone Lentiviral Particle
Symbol:	PROX1
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_002763
ORF Size:	2211 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC201140).
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_002763.3
RefSeq Size:	8178 bp
RefSeq ORF:	2214 bp
Locus ID:	5629
UniProt ID:	Q92786
Cytogenetics:	1q32.3
Domains:	Prox1
Protein Families:	Embryonic stem cells, ES Cell Differentiation/IPS
MW:	83.2 kDa


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Gene Summary:

The protein encoded by this gene is a member of the homeobox transcription factor family. Members of this family contain a homeobox domain that consists of a 60-amino acid helix-turn-helix structure that binds DNA and RNA. The protein encoded by this gene is conserved across vertebrates and may play an essential role during development. Altered levels of this protein have been reported in cancers of different organs, such as colon, brain, blood, breast, pancreas, liver and esophagus. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jul 2012]

Product images:


[RC201140L3] was used to prepare Lentiviral particles using [TR30037] packaging kit. HEK293T cells were transduced with RC201140L3V particle to overexpress human PROX1-Myc-DDK fusion protein.