

Product datasheet for **RC211709L3V**

HES1 (NM_005524) Human Tagged ORF Clone Lentiviral Particle

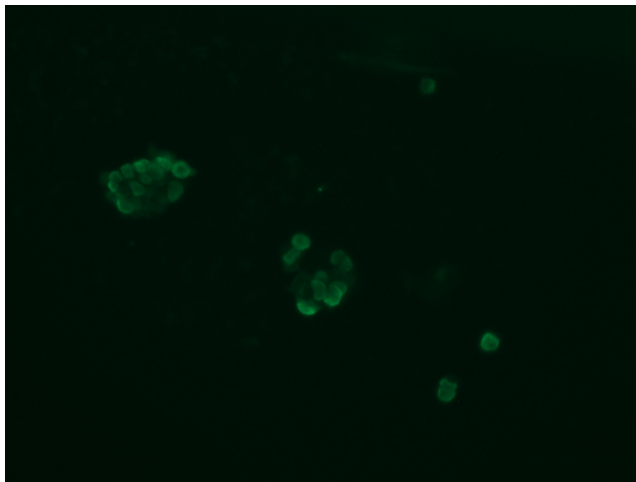
Product data:

Product Type:	Lentiviral Particles
Product Name:	HES1 (NM_005524) Human Tagged ORF Clone Lentiviral Particle
Symbol:	HES1
Synonyms:	bHLHb39; HES-1; HHL; HRY
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_005524
ORF Size:	840 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC211709).
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_005524.2
RefSeq Size:	1471 bp
RefSeq ORF:	843 bp
Locus ID:	3280
UniProt ID:	Q14469
Cytogenetics:	3q29
Domains:	HLH, ORANGE



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Protein Families:	Adult stem cells, Cancer stem cells, Druggable Genome, ES Cell Differentiation/IPS, Stem cell relevant signaling - DSL/Notch pathway, Transcription Factors
Protein Pathways:	Maturity onset diabetes of the young, Notch signaling pathway
MW:	29.4 kDa
Gene Summary:	This protein belongs to the basic helix-loop-helix family of transcription factors. It is a transcriptional repressor of genes that require a bHLH protein for their transcription. The protein has a particular type of basic domain that contains a helix interrupting protein that binds to the N-box rather than the canonical E-box. [provided by RefSeq, Jul 2008]

Product images:

[RC211709L3] was used to prepare Lentiviral particles using [TR30037] packaging kit. HEK293T cells were transduced with RC211709L3V particle to overexpress human HES1-Myc-DDK fusion protein.