

## Product datasheet for **RC203451L4V**

### Smoothened (SMO) (NM\_005631) Human Tagged ORF Clone Lentiviral Particle

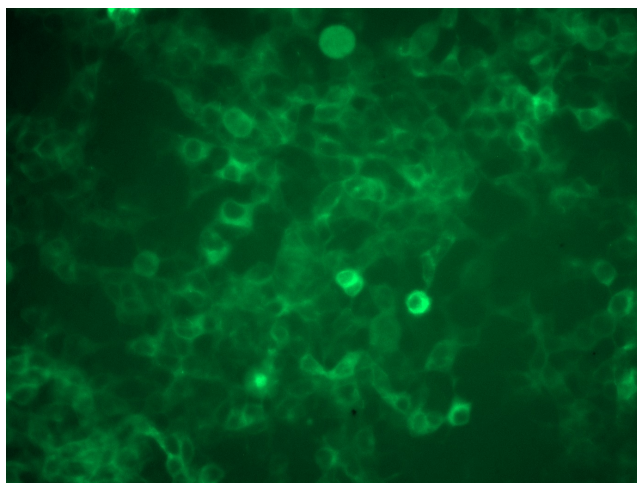
#### Product data:

Product Type:	Lentiviral Particles
Product Name:	Smoothened (SMO) (NM_005631) Human Tagged ORF Clone Lentiviral Particle
Symbol:	Smoothened
Synonyms:	CRJS; FZD11; Gx; PHLS; SMOH
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_005631
ORF Size:	2361 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC203451).
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_005631.3</a> , <a href="#">NP_005622.1</a>
RefSeq Size:	3772 bp
RefSeq ORF:	2364 bp
Locus ID:	6608
UniProt ID:	<a href="#">Q99835</a>
Cytogenetics:	7q32.1
Protein Families:	Druggable Genome, ES Cell Differentiation/IPS, Stem cell relevant signaling - DSL/Notch pathway, Transmembrane



[View online »](#)

<b>Protein Pathways:</b>	Basal cell carcinoma, Hedgehog signaling pathway, Pathways in cancer
<b>MW:</b>	86.2 kDa
<b>Gene Summary:</b>	The protein encoded by this gene is a G protein-coupled receptor that interacts with the patched protein, a receptor for hedgehog proteins. The encoded protein transduces signals to other proteins after activation by a hedgehog protein/patched protein complex. [provided by RefSeq, Jul 2010]

**Product images:**

[RC203451L4] was used to prepare Lentiviral particles using [TR30037] packaging kit. HEK293T cells were transduced with RC203451L4V particle to overexpress human SMO-mGFP fusion protein.