

## Product datasheet for **RC210516L4V**

### Jagged1 (JAG1) (NM\_000214) Human Tagged ORF Clone Lentiviral Particle

#### Product data:

Product Type:	Lentiviral Particles
Product Name:	Jagged1 (JAG1) (NM_000214) Human Tagged ORF Clone Lentiviral Particle
Symbol:	Jagged1
Synonyms:	AGS; AGS1; AHD; AWS; CD339; DCHE; HJ1; JAGL1
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_000214
ORF Size:	3654 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC210516).
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_000214.1</a>
RefSeq Size:	5896 bp
RefSeq ORF:	3657 bp
Locus ID:	182
UniProt ID:	<a href="#">P78504</a>
Cytogenetics:	20p12.2
Domains:	VWC, DSL, EGF_CA, EGF, EGF, VWC_out
Protein Families:	Druggable Genome, ES Cell Differentiation/IPS, Transmembrane



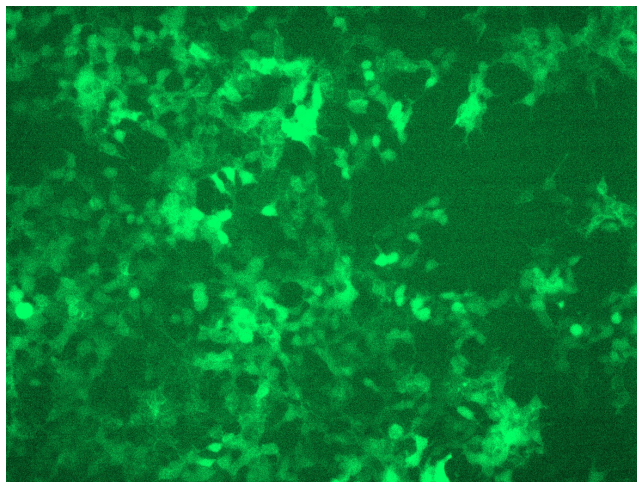
[View online »](#)

**Protein Pathways:** Notch signaling pathway

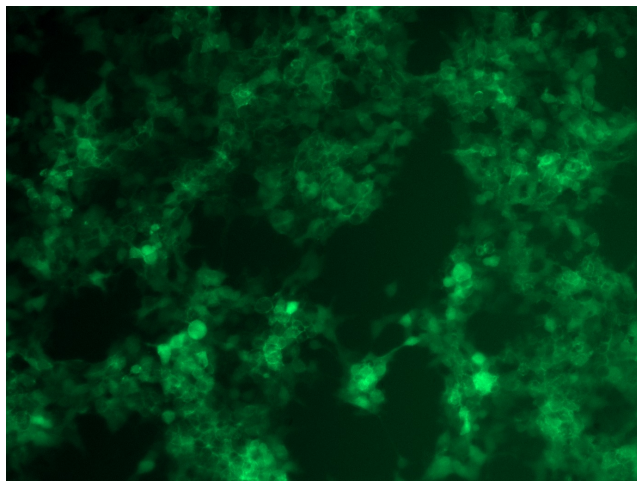
**MW:** 133.6 kDa

**Gene Summary:** The jagged 1 protein encoded by JAG1 is the human homolog of the Drosophila jagged protein. Human jagged 1 is the ligand for the receptor notch 1, the latter is involved in signaling processes. Mutations that alter the jagged 1 protein cause Alagille syndrome. Jagged 1 signalling through notch 1 has also been shown to play a role in hematopoiesis. [provided by RefSeq, Nov 2019]

### Product images:



[RC210516L4] was used to prepare Lentiviral particles using [TR30037] packaging kit. HEK293T cells were transduced with RC210516L4V particle to overexpress human JAG1-mGFP fusion protein.



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