

#### OriGene Technologies, Inc.

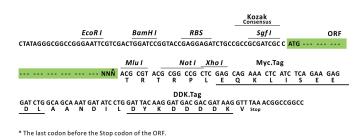
9620 Medical Center Drive, Ste 200 Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com CN: techsupport@origene.cn

# Product datasheet for RC210516L1

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

### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Jagged1 (JAG1) (NM_000214) Human Tagged Lenti ORF Clone
Tag:	Myc-DDK
Symbol:	Jagged1
Synonyms:	AGS; AGS1; AHD; AWS; CD339; DCHE; HJ1; JAGL1
Mammalian Cell Selection:	None
Vector:	pLenti-C-Myc-DDK (PS100064)
E. coli Selection:	Chloramphenicol (34 ug/mL)
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC210516).
<b>Restriction Sites:</b>	Sgfl-Mlul
Cloning Scheme:	
	Cloning sites used for ORF Shuttling:
	<i>Sgf i</i> ORF <i>Miu i</i> [GCG ATC GC]C <mark>ATG // NNŇ</mark> ACG CGT



ACCN: NM\_000214 ORF Size: 3654 bp



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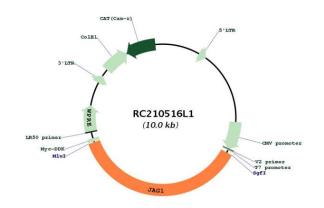
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	1 (JAG1) (NM_000214) Human Tagged Lenti ORF Clone – RC210516L1
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ 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. <u>More info</u>
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	<ol> <li>Centrifuge at 5,000xg for 5min.</li> <li>Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>Close the tube and incubate for 10 minutes at room temperature.</li> <li>Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.</li> </ol>
RefSeq:	<u>NM 000214.1</u>
RefSeq Size:	5896 bp
RefSeq ORF:	3657 bp
Locus ID:	182
UniProt ID:	<u>P78504</u>
Cytogenetics:	20p12.2
Domains:	VWC, DSL, EGF_CA, EGF, EGF, VWC_out
Protein Families:	Druggable Genome, ES Cell Differentiation/IPS, Transmembrane
Protein Pathways:	Notch signaling pathway
MW:	133.6 kDa
Gene Summary:	The jagged 1 protein encoded by JAG1 is the human homolog of the Drosophilia 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]

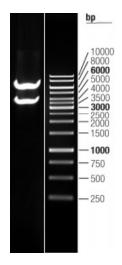
by RefSeq, Nov 2019]

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## **Product images:**



Circular map for RC210516L1



Double digestion of RC210516L1 using Sgfl and Mlul

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