

## Recombinant Human JAG1, Fc-tagged

Cat. No. JAG1-27630TH Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant fragment corresponding to amino acids 1-1067 of Human Jagged1 fused at the C-terminus to the Fc portion of Human IgG1; MWt 150 kDa .
<b>Species</b>	Human
<b>Source</b>	HEK293
<b>ProteinLength</b>	1067 amino acids
<b>Description</b>	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 a human homolog of the Drosophila jagged receptor notch. 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.
<b>Conjugation</b>	Fc
<b>Molecular Weight</b>	150.000kDa inclusive of tags
<b>Tissue specificity</b>	Widely expressed in adult and fetal tissues. In cervix epithelium expressed in undifferentiated subcolumnar reserve cells and squamous metaplasia. Expression is up-regulated in cervical squamous cell carcinoma. Expressed in bone marrow cell line HS-27a wh
<b>Biological activity</b>	Inhibits adipogenesis of mesenchymal stem cells (MSCs). Induces Hes-1 in 3T3L-1

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

	cells.
<b>Form</b>	Liquid
<b>Purity</b>	>90% by SDS-PAGE
<b>Storage buffer</b>	Preservative: None Constituents: PBS
<b>Storage</b>	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
<b>Sequence Similarities</b>	Contains 1 DSL domain. Contains 15 EGF-like domains.
<b>GENE INFORMATION</b>	
<b>Gene Name</b>	<a href="#">JAG1 jagged 1 [ Homo sapiens ]</a>
<b>Official Symbol</b>	<a href="#">JAG1</a>
<b>Synonyms</b>	JAG1; jagged 1; AGS, Alagille syndrome , JAGL1; protein jagged-1; AHD; AWS; CD339; HJ1;
<b>Gene ID</b>	<a href="#">182</a>
<b>mRNA Refseq</b>	<a href="#">NM_000214</a>
<b>Protein Refseq</b>	<a href="#">NP_000205</a>
<b>Uniprot ID</b>	<a href="#">P78504</a>
<b>Chromosome Location</b>	20p12.1-p11.23

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA



**Pathway**

Delta-Notch Signaling Pathway, organism-specific biosystem; Notch receptor binds with a ligand, organism-specific biosystem; Notch signaling pathway, organism-specific biosystem; Notch signaling pathway, organism-specific biosystem; Notch signaling pathway, conserved biosystem;

**Function**

Notch binding; calcium ion binding; growth factor activity; structural molecule activity;

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA