

## Recombinant Human JAG2, Fc-tagged

**Cat. No.** JAG2-382H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                  |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Human Jagged-2 (aa 1-1054) is fused at the C-terminus to the Fc portion of human IgG.                                                                                                                                                                                                                                                                                                                            |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>ProteinLength</b>    | 1-1054 a.a.                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Description</b>      | Jagged-2 is a putative Notch ligand involved in the mediation of Notch signaling, that can induce stromal cells to secrete IL-6, VEGF and IGF-1. Notch activation can interact with NF-kappa;B and C-myc to promote the proliferation and to inhibit the apoptosis of MM cells, showing in the relationship between the incidence of myeloma and drug resistance. Jagged-2 is also involved in limb development. |
| <b>Form</b>             | Liquid. 0.2µm-filtered solution in PBS.                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Molecular Mass</b>   | ~150kDa (SDS-PAGE)                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Purity</b>           | ≥90% (SDS-PAGE)                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Stability</b>        | Working aliquots are stable for up to 3 months when stored at -20°C.                                                                                                                                                                                                                                                                                                                                             |
| <b>Storage</b>          | Short Term Storage: +4°C; Long Term Storage: -20°C. After opening, prepare aliquots and store at -20°C. Avoid freeze/thaw cycles.                                                                                                                                                                                                                                                                                |

 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

**Concentration** 0.2mg/ml

## GENE INFORMATION

**Gene Name** JAG2 jagged 2 [ Homo sapiens ]

**Official Symbol** JAG2

**Synonyms** JAG2; jagged 2; protein jagged-2; HJ2; SER2;

**Gene ID** 3714

**mRNA Refseq** NM\_002226

**Protein Refseq** NP\_002217

**MIM** 602570

**UniProt ID** Q9Y219

**Chromosome Location** 14q32

**Pathway** Activated NOTCH1 Transmits Signal to the Nucleus, organism-specific biosystem; Delta-Notch Signaling Pathway, organism-specific biosystem; Notch signaling pathway, organism-specific biosystem; Notch signaling pathway, organism-specific biosystem; Notch signaling pathway, conserved biosystem; Signal Transduction, organism-specific biosystem; Signaling by NOTCH, organism-specific biosystem;

**Function** Notch binding; calcium ion binding; growth factor activity; protein binding;

 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