

Active Recombinant Human JAG1 protein, Fc-tagged

Cat. No. JAG1-3138H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Active Recombinant Human JAG1 protein(NP_000205.1)(Met 1-Ser 1046) was expressed in HEK293, fused with Fc region of human IgG1 at the C-terminus.
Species	Human
Source	HEK293
ProteinLength	1-1046 aa
Form	Lyophilized from sterile PBS, pH 7.4.
Bio-activity	Measured by the ability of the immobilized protein to enhance BMP2 induced alkaline phosphatase activity in C3H10T1/2 mouse embryonic fibroblast cells. The ED50 for this effect is typically 5-30 µg/mL.
Molecular Mass	The recombinant human JAG1/Fc is a disulfide-linked homodimer. The reduced monomer consists of 1254 amino acids and has a predicted molecular mass of 137 kDa. In SDS-PAGE under reducing conditions, the apparent molecular mass of rh JAG1/Fc monomer is approximately 180-200 kDa due to glycosylation.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method.
Purity	> 85 % as determined by SDS-PAGE
Storage	Store it under sterile conditions at -20°C to -80°C upon receiving. Recommend to

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

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

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

aliquot the protein into smaller quantities for optimal storage. Avoid repeated freeze-thaw cycles.

Reconstitution

It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

GENE INFORMATION

Gene Name JAG1 jagged 1 [Homo sapiens]

Official Symbol JAG1

Synonyms JAG1; jagged 1; AGS, Alagille syndrome, JAGL1; protein jagged-1; AHD; AWS; CD339; HJ1; AGS; JAGL1; MGC104644;

Gene ID 182

mRNA Refseq NM_000214

Protein Refseq NP_000205

UniProt ID P78504

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