Recombinant Human JAG1, Fc-tagged

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

SPECIFICATION

Product Overview	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 .
Species	Human
Source	HEK293
ProteinLength	1067 amino acids
Description	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 a human homolog of the Drosophilia 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.
Conjugation	Fc
Molecular Weight	150.000kDa inclusive of tags
Tissue specificity	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
Biological activity	Inhibits adipogenesis of mesenchymal stem cells (MSCs). Induces Hes-1 in 3T3L-1

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	cells.
Form	Liquid
Purity	>90% by SDS-PAGE
Storage buffer	Preservative: NoneConstituents: PBS
Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
Sequence Similarities	Contains 1 DSL domain.Contains 15 EGF-like domains.

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;
Gene ID	182
mRNA Refseq	NM_000214
Protein Refseq	NP_000205
Uniprot ID	P78504
Chromosome Location	20p12.1-p11.23

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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;

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