Active Recombinant Human JAG1 protein, Fc-tagged

Cat. No. JAG1-379H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human JAG1(Ser32-Ser1046) fused with Fc region of Human IgG1(Pro100-Lys330) tag at C-terminal was expressed in CHO.
Species	Human
Source	CHO
ProteinLength	Ser32-Ser1046
Predicted N Terminal	Ser32
Form	Lyophilized from a 0.2 μm filtered solution in PBS and EDTA.
Bio-activity	Measured by the ability of the immobilized protein to enhance BMP-2 induced alkaline phosphatase activity in C3H10T1/2 mouse embryonic fibroblast cells. The ED50 for this effect is typically 0.5-2.0 μg/mL.
Molecular Mass	Predicted Molecular Mass: 137 kDa;SDS-PAGE: 170-180 kDa, under reducing conditions.
Endotoxin	<1.0 EU per 1 μg of the protein by the LAL method.
Purity	>90%, by SDS-PAGE visualized with Silver Staining and quantitative densitometry by Coomassie® Blue Staining.

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Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles.12 months from date of receipt, -20 to -70 centigrade as supplied.1 month, 2 to 8 centigrade under sterile conditions after reconstitution.3 months, -20 to -70 centigrade under sterile conditions after reconstitution.
Reconstitution	Reconstitute at 200 µg/mL in sterile PBS.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.

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
MIM	
UniProt ID	P78504
Chromosome Location	20p12.1-p11.23

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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; structural molecule activity;

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