

Active Recombinant Mouse Jag1, Fc-tagged

Cat. No. Jag1-381M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Signal peptide and extracellular domain of mouse Jagged-1 (aa 1-1067) are fused at the C-terminus to the Fc portion of human IgG.
Species	Mouse
Source	HEK293
ProteinLength	1-1067 a.a.
Description	Jagged-1 is a ligand for multiple Notch receptors and involved in the mediation of Notch signaling. It is involved in cell-fate decisions during hematopoiesis. Is involved in early and late stages of mammalian cardiovascular development. Inhibits myoblast differentiation. Enhances fibroblast growth factor-induced angiogenesis (in vitro). Defects in Jagged-1 are the cause of Alagille syndrome type 1 (ALGS1) and tetralogy of Fallot (TOF).
Form	Liquid. 0.2µm-filtered solution in PBS.
Bio-activity	Inhibits adipogenesis of 3T3L-1 cells.
Molecular Mass	~150kDa (SDS-PAGE)
Purity	≥90% (SDS-PAGE)
Stability	Working aliquots are stable for up to 3 months when stored at -20°C.

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Storage

Short Term Storage: +4°C; Long Term Storage: -20°C. After opening, prepare aliquots and store at -20°C. Avoid freeze/thaw cycles.

GENE INFORMATION
Gene Name

Jag1 jagged 1 [*Mus musculus*]

Official Symbol

Jag1

Synonyms

JAG1; jagged 1; protein jagged-1; Serrate-1; Htu; Ozz; ABE2; Ser-1; Gsfabe2;

Gene ID

16449

mRNA Refseq

NM_013822

Protein Refseq

NP_038850

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; protein binding;

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