

Datasheet for ABIN1344183

**JAG1 Protein (AA 1-1067, Extracellular Domain) (Fc Tag)**[Go to Product page](#)**1** Image

## Overview

Quantity:	50 µg
Target:	JAG1
Protein Characteristics:	Extracellular Domain, AA 1-1067
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This JAG1 protein is labelled with Fc Tag.
Application:	SDS-PAGE (SDS)

## Product Details

Cross-Reactivity:	Human
Characteristics:	Signal peptide and extracellular domain of human Jagged-1 (HJ1, CD339) (aa 1-1067) are fused at the C-terminus to the Fc portion of human IgG1.
Purity:	>90 % (SDS-PAGE)
Sterility:	0.2 µm filtered
Endotoxin Level:	<0.1EU/µg purified protein (LAL test, Lonza).

## Target Details

Target:	JAG1
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## Target Details

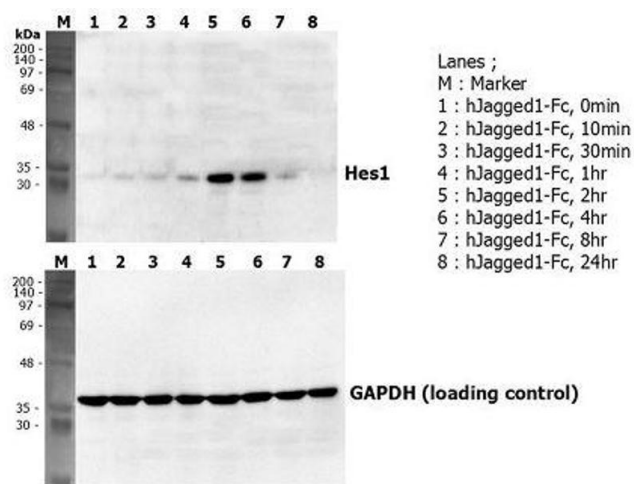
Alternative Name:	Jagged-1 ( <a href="#">JAG1 Products</a> )
Background:	Jagged-1 is a ligand for multiple Notch receptors and involved in the mediation of Notch signaling. It is involved in cell-fate decisions during hematopoiesis. Is involved in early and late stages of mammalian cardiovascular development. 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).
Molecular Weight:	~150kDa (SDS-PAGE)
UniProt:	<a href="#">P78504</a>
Pathways:	<a href="#">Notch Signaling</a> , <a href="#">Stem Cell Maintenance</a>

## Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Comment:	Inhibits adipogenesis of mesenchymal stem cells (MSCs). Induces Hes-1 in 3T3L-1 cells.
Restrictions:	For Research Use only

## Handling

Format:	Liquid
Concentration:	Lot specific
Buffer:	0.2µm-filtered solution in PBS.
Storage:	4 °C,-20 °C
Storage Comment:	Short Term Storage: +4°C Long Term Storage: -20°C Working aliquots are stable for up to 3 months when stored at -20°C.
Expiry Date:	3 months



Western Blotting

**Image 1.** Induction of Hes-1 with the treatment of recombinant human Jagged1-Fc . A mouse preadipocyte cell line, 3T3L1, was stimulated with 5µg/ml of human Jagged1-Fc as in indicated time points and each cell lysate was prepared and subjected to western blot by using anti-human Hes1 or GAPDH.