

Human Jagged 1 protein, human IgG1 Fc tag (active)

Cat. No. GTX65636-pro**Applications** Functional Assay**Species** Human**Package**

10 µg

Applications

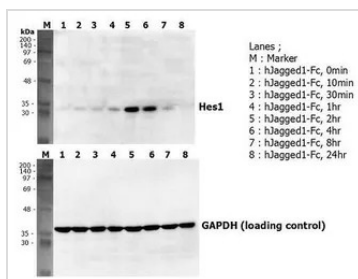
Application Note

Inhibits adipogenesis of mesenchymal stem cells (MSCs). Induces Hes-1 in 3T3L-1 cells.

Properties

Form Liquid**Buffer** PBS**Preservative** No preservatives**Storage** Store as concentrated solution. Aliquot and store at -20°C or below. Avoid freeze-thaw cycles.**Concentration** 0.5 mg/ml (Please refer to the vial label for the specific concentration.)**Region/Sequence** Signal peptide and extracellular domain of human Jagged-1 (HJ1; CD339) (a.a. 1-1067) are fused at the C-terminus to the Fc portion of human IgG1.**Expression System** HEK293 cells**Purity** ≥90% by SDS-PAGE.**Endotoxin** < 0.1 EU/µg**Conjugation** Unconjugated**Note** For In vitro laboratory use only. Not for any clinical, therapeutic, or diagnostic use in humans or animals. Not for animal or human consumption.

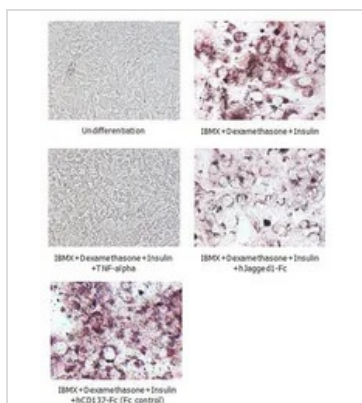
DATA IMAGES

**GTX65636-pro Image**

Induction of Hes-1 with the treatment of GTX65636-pro Jagged 1 Fc fusion protein. A mouse preadipocyte cell line, 3T3L1, was stimulated with 5µg/ml of human Jagged1-Fc fusion protein as in indicated time points and each cell lysate was prepared and subjected to western blot by using human Hes1 antibody or GAPDH antibody.



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GTX65636-pro Image

Adipogenesis inhibition of 3T3L-1 cells. When the cells were confluent, adipogenesis was initiated by adding IBMX, Dexamethasone, and insulin to 0.5mM, 1µM, and 10µg/ml, respectively and continued for 2 days (day 0). The medium was replaced every 2 days with new medium containing insulin in the presence or absence of 5µg/ml of human Jagged1-Fc (GTX65636-pro) and human CD137-Fc as a control-Fc. Staining with Oil Red O was typically performed on day 7.



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