

## Active Recombinant Human NOTCH1 protein, Fc-tagged

Cat. No. NOTCH1-384H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human NOTCH1(Ala19 - Gln526) fused with Fc of Human IgG1 at C-terminal was expressed in NS0.
<b>Species</b>	Human
<b>Source</b>	Mammalian Cells
<b>ProteinLength</b>	19-526 a.a.
<b>Predicted N Terminal</b>	Ala19
<b>Form</b>	Lyophilized from a 0.2 µm filtered solution in PBS.
<b>Bio-activity</b>	Measured by its binding ability in a functional ELISA. Immobilized rhNotch-1 Fc Chimera at 5 µg/mL (100 µ/well) can bind rrJagged-1/Fc Chimera with an apparent KD <5 nM in a functional ELISA.
<b>Molecular Mass</b>	Predicted Molecular Mass: 80.1 (monomer) kDa;SDS-PAGE: 115-125 kDa, reducing conditions.
<b>Endotoxin</b>	<1.0 EU per 1 µg of the protein by the LAL method.
<b>Purity</b>	>90%, by SDS-PAGE under reducing conditions and visualized by silver stain
<b>Storage</b>	Avoid repeated freeze-thaw cycles.12 months from date of receipt, -20 to -70

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

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 100 µg/mL in sterile PBS.

## GENE INFORMATION

**Gene Name** NOTCH1 notch 1 [ Homo sapiens ]

**Official Symbol** NOTCH1

**Synonyms** NOTCH1; notch 1; Notch (Drosophila) homolog 1 (translocation associated) , Notch homolog 1, translocation associated (Drosophila) , TAN1; neurogenic locus notch homolog protein 1; Notch homolog 1, translocation-associated; translocation-associated notch protein TAN-1; hN1; TAN1;

**Gene ID** 4851

**mRNA Refseq** NM\_017617

**Protein Refseq** NP\_060087

**MIM** 190198

**UniProt ID** P46531

**Chromosome Location** 9q34.3

**Pathway** Activated NOTCH1 Transmits Signal to the Nucleus, organism-specific biosystem;

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Delta-Notch Signaling Pathway, organism-specific biosystem; Developmental Biology, organism-specific biosystem; Dorso-ventral axis formation, organism-specific biosystem; Dorso-ventral axis formation, conserved biosystem

**Function**

calcium ion binding; chromatin DNA binding; core promoter binding; protein binding; receptor activity; sequence-specific DNA binding; sequence-specific DNA binding transcription factor activity;

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