

Active Recombinant Human NOTCH1 protein, Fc-tagged

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

SPECIFICATION

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

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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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