

Biotinylated Recombinant Human Notch 1 Protein

Catalog No.: RP02461B Recombinant

Sequence Information

Species Gene ID Swiss Prot Human 4851 P46531

Tags

C-His&Avi

Synonyms

AOS5;AOVD1;TAN1;hN1;NOTCH1;Activat ed NOTCH1;notch 1; AOS5; AOVD1; TAN1; hN1; notch 1

Product Information

Source Purification

HEK293 cells ≥ 95 % as determined b

determined by Tris-Bis PAGE;≥ 95 % as determined by HPLC.

Calculated MW Observed MW

56.5 kDa 70-80 kDa

Endotoxin

< 1 EU/µg of the protein by LAL method.

Formulation

Lyophilized from a 0.22 µm filtered solution of PBS, pH 7.4.

Reconstitution

Centrifuge the tube before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stablizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

Contact

6		400-999-6126
\bowtie		cn.market@abclonal.com.cn
\odot	Т	www.abclonal.com.cn

Background

Human Notch-1 is a 300 kDa type I transmembrane glycoprotein that is one of four human Notch homologues involved in developmental processes.Notch-1 functions as a receptor for membrane-bound ligands Jagged-1 (JAG1), Jagged-2 (JAG2) and Delta-1 (DLL1) to regulate cell-fate determination. Upon ligand activation through the released notch intracellular domain (NICD) it forms a transcriptional activator complex with RBPJ/RBPSUH and activates genes of the enhancer of split locus. Affects the implementation of differentiation, proliferation and apoptotic programs.

Basic Information

Description

Biotinylated Recombinant Human Notch 1 Protein is produced by Expi293 expression system. The target protein is expressed with sequence (Ala19-Gln526) of Human Notch 1 fused with a His tag and Avi tag at the C-terminal.

Bio-Activity

Shipping

The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.

Storage

Store at -20°C. Store the lyophilized protein at -20°C to -80°C up to 1 year from the date of receipt.

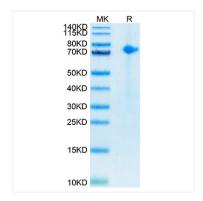
After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.

Avoid repeated freeze/thaw cycles.

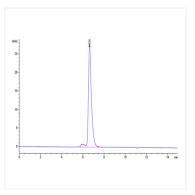
Operational Notes

For your safety and health, please wear a lab coat and disposable gloves for handling.

Validation Data



Biotinylated Recombinant Human Notch 1 Protein was determined by Tris-Bis PAGE under reducing conditions.



The purity of Biotinylated Human Notch 1 is greater than 95% as determined by SEC-HPLC.