

Recombinant Human Notch 1 Protein

Catalog No.: RP02460 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 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

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Background

Basic Information

Description

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 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.

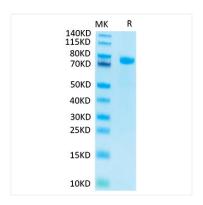
After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.

Avoid repeated freeze/thaw cycles.

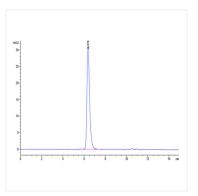
Operational Notes

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

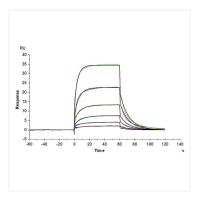
Validation Data



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



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



Human DLL4, hFc Tag captured on CM5 Chip via Protein A can bind Human Notch 1, His Tag with an affinity constant of 0.48 μM as determined in SPR assay (Biacore T200).