# Recombinant Human Notch 1 Protein

## Catalog No.: RP02460



## Sequence Information

**Species**
Human

**Gene ID**
4851

**Swiss Prot**
P46531

**Tags**
C-His&Avi

**Synonyms**
AOS5,AOVD1,TAN1,hN1,NOTCH1, Activated NOTCH1,notch 1, AOS5, AOVD1, TAN1, hN1, notch 1

## Product Information

**Source**
HEK293 cells

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

**Calculated MW**
56.5 kDa

**Observed MW**
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.

## 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.

**Activity**

**Shipping**
Lyophilized proteins are shipped at ambient temperature.
Liquid proteins are shipped at frozen temperature with dry ice.
Upon receipt, store it immediately at the temperature recommended below.

**Storage**
Store at -20℃

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

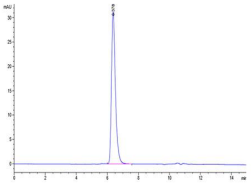
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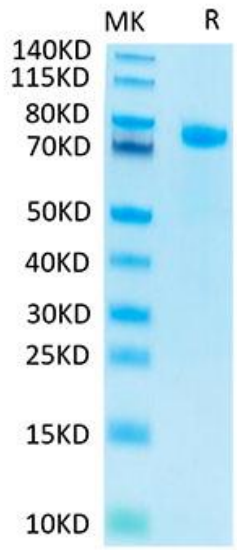


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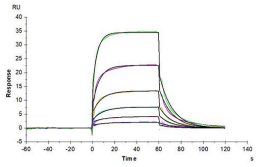
## Validation Data



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




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



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).



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