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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;Activated NOTCH1;notch 1; AOS5; AOVD1; TAN1; hN1; notch 1

Product Information

Source
HEK293 cells

Purification
> 95% by Tris-Bis PAGE;> 95% by SEC-HPLC

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

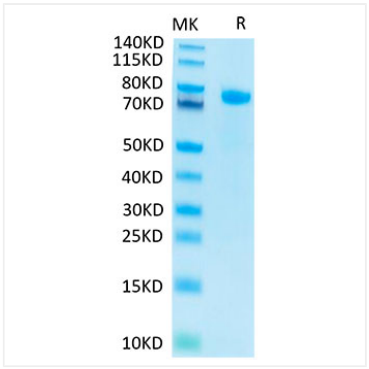
Basic Information

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.

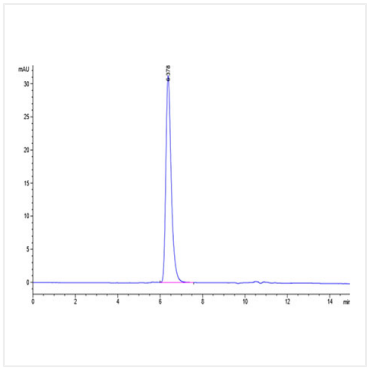
Bio-Activity

Storage
Store the lyophilized protein at -20°C to -80°C for long term.
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.

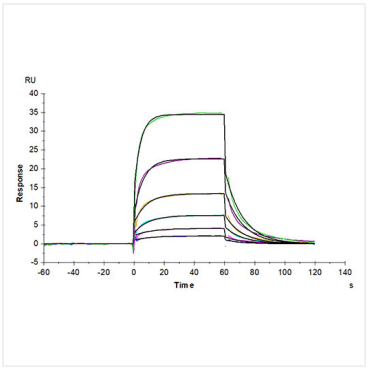
Validation Data



Human Notch 1 on Tris-Bis PAGE under reduced conditions. The purity is greater than 95%.



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).