

Biotinylated Recombinant Human Notch 2 Protein

Catalog No.: RP02462B

Sequence Information

Species	Gene ID
Human	4853
Swiss Prot	Tags
Q04721	C-His&Avi

Synonyms

NOTCH2, AGS2, HJCYS, hN2, notch 2

Product Information

Source	Purification
HEK293 cells	≥ 95 % as determined by Tris-Bis PAGE; ≥ 95 % as determined by HPLC.

Calculated MW/Observed MW

57 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 stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

Background

Human Notch-2 is a 300 kDa type I transmembrane glycoprotein that is one of four human Notch homologues involved in developmental processes. Although Notch proteins are structurally and functionally similar, deletion of either Notch-1 or Notch-2 is lethal, showing that not all functions overlap. Notch-2 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.

Basic Information

Description

Biotinylated Recombinant Human Notch 2 Protein is produced by Expi293 expression system. The target protein is expressed with sequence (Leu26-Gln530) of Human Notch 2 fused with a 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°C

Operational Notes

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

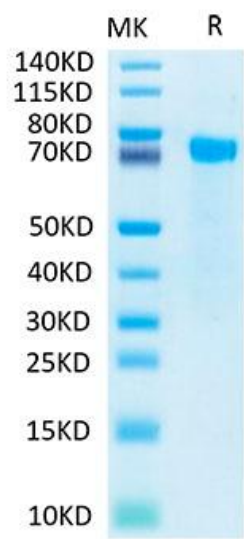
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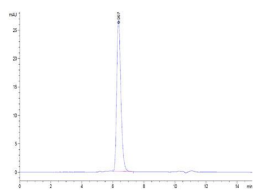
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Validation Data



Biotinylated Recombinant Human Notch 2 Protein was determined by Tris-Bis PAGE under reducing conditions.



The purity of Biotinylated Human Notch 2 is greater than 95% as determined by SEC-HPLC.