

Recombinant Human Notch 3 Protein

Catalog No.: RP02707 **Recombinant**

Sequence Information

Species	Gene ID	Swiss Prot
Human	4854	Q9UM47

Tags

C-His&Avi

Synonyms

CADASIL; Notch homolog 3; Notch-3; NOTCH3

Product Information

Source	Purification
HEK293 cells	> 95% as determined by Tris-Bis PAGE > 95% as determined by HPLC

Endotoxin

Less than 1EU per µg by the LAL method.

Formulation

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.

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Background

Human Notch-3 is part of the Notch family of type I transmembrane glycoproteins involved in a number of early-event developmental processes. The extracellular domain of Notch receptors interact with the extracellular domain of transmembrane ligands Jagged, Delta, and Serrate expressed on the surface of a neighboring cell. 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

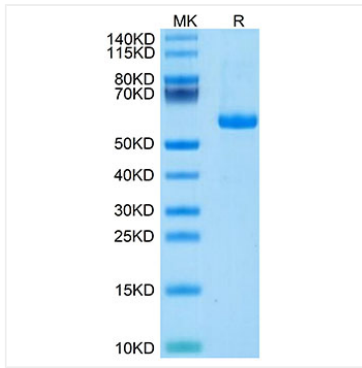
Recombinant Human Notch 3 Protein is expressed from Expi293 with His tag and Avi tag at the C-terminal. It contains Ala40-Glu467.

Bio-Activity

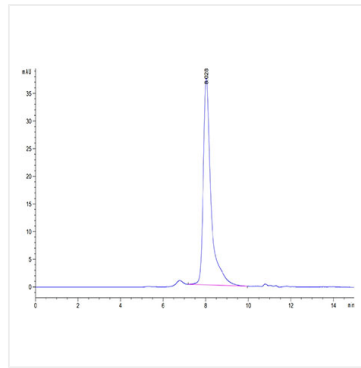
Storage

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 3 on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.



The purity of Human Notch 3 is greater than 95% as determined by SEC-HPLC.