

Human Notch 3 Protein

Cat. No. NOT-HM203

Description

| | |
|-------------------------|---|
| Source | Recombinant Human Notch 3 Protein is expressed from HEK293 with hFc tag at the C-Terminus. It contains Ala40-Glu467. |
| Accession | Q9UM47 |
| Molecular Weight | The protein has a predicted MW of 71.53 kDa. Due to glycosylation, the protein migrates to 75-83 kDa based on Tris-Bis PAGE result. |
| Endotoxin | Less than 1EU per µg by the LAL method. |
| Purity | > 95% as determined by Tris-Bis PAGE > 95% as determined by HPLC |

Formulation and Storage

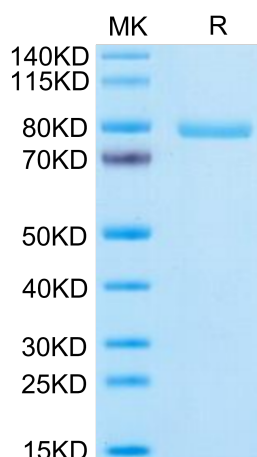
| | |
|-----------------------|---|
| Formulation | Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization. |
| Reconstitution | Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/ml is recommended. Dissolve the lyophilized protein in distilled water. |
| Storage | -20 to -80°C for 12 months as supplied from date of receipt. -20 to -80°C for 3-6 months in unopened state after reconstitution. 2-8°C for 2-7 days after reconstitution. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles. |

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

Assay Data

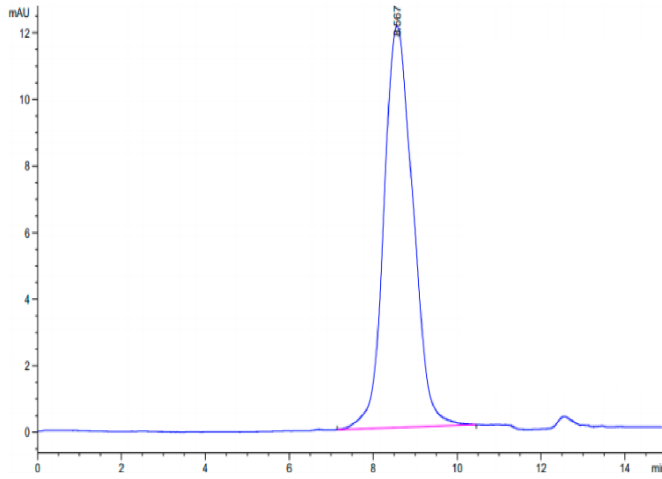
Tris-Bis PAGE



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

SEC-HPLC

Assay Data



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