

Datasheet for ABIN7275366
NOTCH3 Protein (His-Avi Tag)[Go to Product page](#)

2 Images

Overview

Quantity:	100 µg
Target:	NOTCH3
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This NOTCH3 protein is labelled with His-Avi Tag.

Product Details

Sequence:	Ala40-Glu467
Purity:	> 95% as determined by Tris-Bis PAGE, > 95% as determined by HPLC
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1EU per µg by the LAL method.

Target Details

Target:	NOTCH3
Alternative Name:	Notch 3 (NOTCH3 Products)
Background:	CADASIL, Notch homolog 3, Notch-3, NOTCH3, 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)

Target Details

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

Molecular Weight: 47.7 kDa. Due to glycosylation, the protein migrates to 53-60 kDa based on Tris-Bis PAGE result.

UniProt: [Q9UM47](#)

Pathways: [Notch Signaling](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

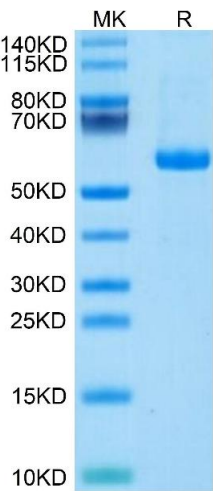
Reconstitution: Centrifuge tubes before opening. Reconstituting to a concentration more than 100 µg/mL is recommended (usually we use 1 mg/mL solution for lyophilization). Dissolve the lyophilized protein in distilled water.

Buffer: Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8 % trehalose is added as protectant before lyophilization.

Storage: 4 °C,-80 °C

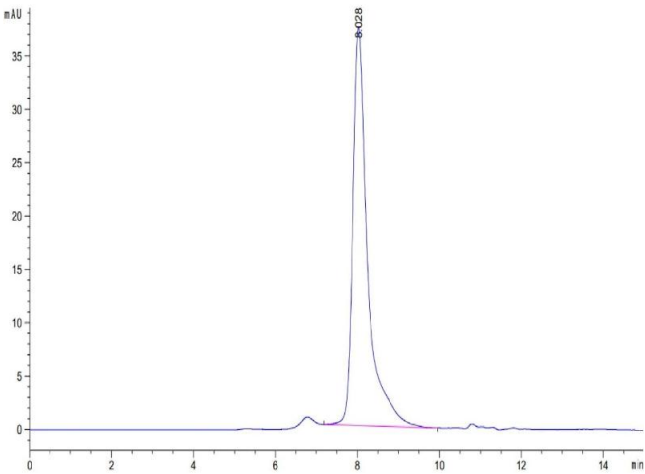
Storage Comment: Reconstituted protein stable at -80°C for 12 months, 4°C for 1 week. Use a manual defrost freezer and avoid repeated freeze-thaw cycles.

Expiry Date: 12 months



SDS-PAGE

Image 1. Human Notch 3 on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .



Size-exclusion chromatography-High Pressure Liquid Chromatography

Image 2. The purity of Human Notch 3 is greater than 95 % as determined by SEC-HPLC.