

# Biotinylated Human DLL3 Domain (311-492) Protein, Ultra Low Endotoxin



Cat. No. DLL-HM4D3B-UL

## Description

<b>Source</b>	Recombinant Biotinylated Human DLL3 Domain (311-492) Protein is expressed from HEK293 with His tag and Avi tag at the C-terminus. It contains Val311-Leu492.
<b>Accession</b>	Q9NYJ7-1
<b>Molecular Weight</b>	The protein has a predicted MW of 22.69 kDa. Due to glycosylation, the protein migrates to 25-30 kDa based on Bis-Tris PAGE result.
<b>Endotoxin</b>	Less than 0.01 EU per µg by the LAL method.
<b>Purity</b>	> 95% as determined by Bis-Tris PAGE

## Formulation and Storage

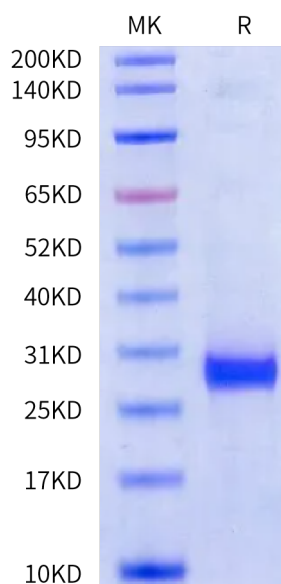
<b>Formulation</b>	Lyophilized from 0.22 µm filtered solution in PBS, 200mM L-arginine (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
<b>Reconstitution</b>	Dissolve the lyophilized protein in distilled water. Please refer to the Certificate of Analysis for detailed instructions.
<b>Storage</b>	-20 to -80°C for 12 months as supplied from date of receipt. -80°C for 3 months after reconstitution. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

## Background

Delta-like protein 3 (DLL3) is a transmembrane protein that belongs to the Delta/Serrate/Lag-2 (DSL) family of Notch ligands. DLL3 inhibits primary neurogenesis. May be required to divert neurons along a specific differentiation pathway. Plays a role in the formation of somite boundaries during segmentation of the paraxial mesoderm (By similarity).

## Assay Data

### Bis-Tris PAGE



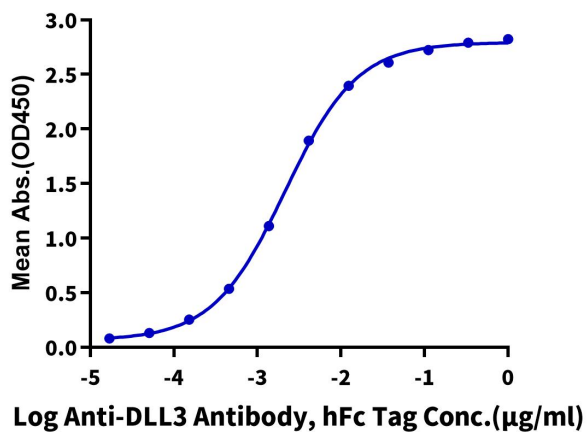
Biotinylated Human DLL3 Domain (311-492) on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

### ELISA Data

Assay Data

**Biotinylated Human DLL3 (311-492), His-Avi Tag ELISA**

0.05µg Biotinylated Human DLL3 (311-492), His-Avi Tag Per Well



Immobilized Biotinylated Human DLL3 (311-492), His-Avi Tag at 0.5µg/ml (100µl/Well) on streptavidin (5µg/ml) precoated plate. Dose response curve for Anti-DLL3 Antibody, hFc Tag with the EC50 of 2.1ng/ml determined by ELISA.