

# Human DLL3 (27-215) Protein

Cat. No. DLL-HM13D

## Description

<b>Source</b>	Recombinant Human DLL3 (27-215) Protein is expressed from HEK293 with His tag and Flag tag at the N-Terminus. It contains Ala27-Glu215.
<b>Accession</b>	Q9NYJ7-1
<b>Molecular Weight</b>	The protein has a predicted MW of 22.30 kDa. Due to glycosylation, the protein migrates to 24-25 kDa based on Tris-Bis PAGE result.
<b>Endotoxin</b>	Less than 1EU per µg by the LAL method.
<b>Purity</b>	> 95% as determined by Tris-Bis PAGE > 95% as determined by HPLC

## Formulation and Storage

<b>Formulation</b>	Lyophilized from 0.22 µm filtered solution in PBS, 360mM NaCl, 200mM L-arginine (pH 8.0). Normally 8% trehalose is added as protectant before lyophilization.
<b>Reconstitution</b>	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/ml is recommended. Dissolve the lyophilized protein in distilled water.
<b>Storage</b>	-20 to -80°C for 12 months as supplied from date of receipt. -80°C for 3-6 months 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

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

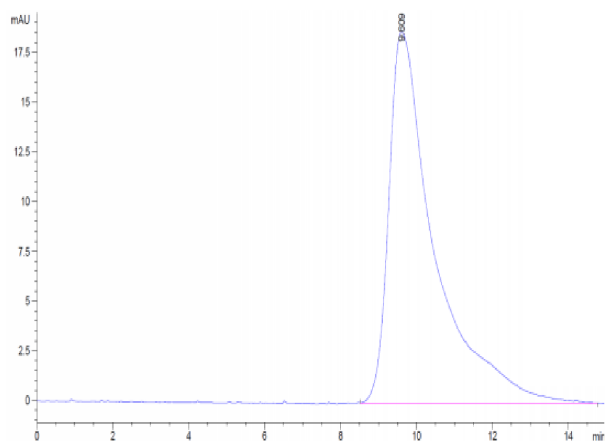
### Tris-Bis PAGE



Human DLL3 (27-215) on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.

### SEC-HPLC

Assay Data



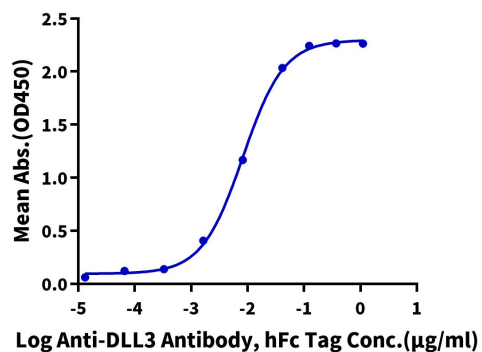
The purity of Human DLL3 (27-215) is greater than 95% as determined by SEC-HPLC.

Assay Data

ELISA Data

**Human DLL3 (27-215), His Tag ELISA**

0.02µg Human DLL3 (27-215), His Tag Per Well



Immobilized Human DLL3 (27-215) , His Tag at 0.2µg/ml (100µl/Well) on the plate. Dose response curve for Anti-DLL3 Antibody, hFc Tag with the EC50 of 8.3ng/ml determined by ELISA.