

# Human DLL3 (27-215) Protein

Cat. No. DLL-HM13D



## Description

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

## Formulation and Storage

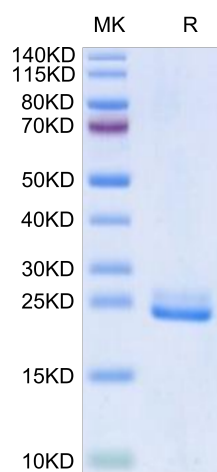
Formulation	Lyophilized from 0.22 µm filtered solution in PBS, 360mM NaCl, 200mM L-arginine (pH 8.0). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Dissolve the lyophilized protein in distilled water. Please refer to the Certificate of Analysis for detailed instructions.
Storage	-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

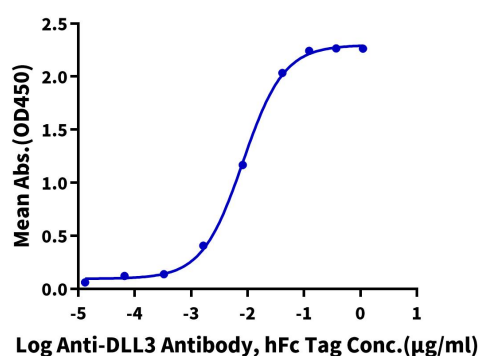


Human DLL3 (27-215) on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

### ELISA Data

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

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



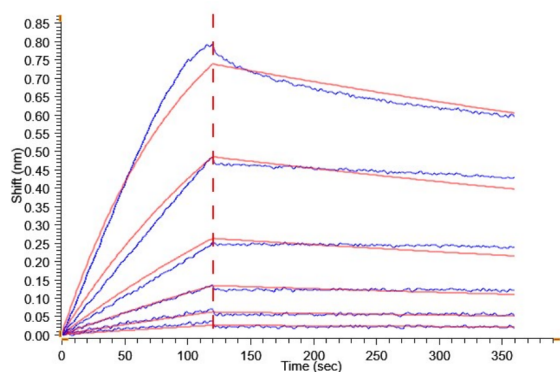
Immobilized Human DLL3 (27-215) , His Tag at 0.2µg/ml (100µl/Well) on the plate. Dose response curve for Anti-DLL3 Antibody, hFc Tag with the EC50 of 8.3ng/ml determined by ELISA.

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#### BLI Data



Loaded Anti-DLL3 Antibody, hFc Tag on ProA-Biosensor can bind Human DLL3 (27-215), His-Flag Tag with an affinity constant of 4.67 nM as determined in BLI assay (Gator® Prime).