

Biotinylated Human DLL3 Domain (311-479) Protein



Cat. No. DLL-HM4D1B

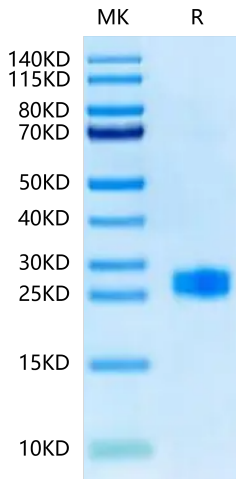
Description	
Source	Recombinant Biotinylated Human DLL3 Domain (311-479) Protein is expressed from HEK293 with with His tag and Avi tag at the C-Terminus. It contains Val311-Ala479.
Accession	Q9NYJ7-1
Molecular Weight	The protein has a predicted MW of 21.20 kDa. Due to glycosylation, the protein migrates to 25-30 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 > 95% as determined by HPLC

Formulation and Storage	
Formulation	Lyophilized from 0.22 µm filtered solution in PBS (pH 7.4). 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).	

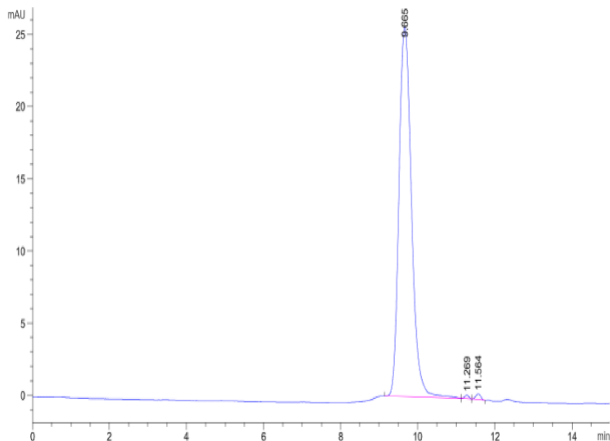
Assay Data

Bis-Tris PAGE



Biotinylated Human DLL3 Domain (311-479) on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

SEC-HPLC



The purity of Biotinylated Human DLL3 Domain (311-479) is greater than 95% as determined by SEC-HPLC.

Biotinylated Human DLL3 Domain (311-479) Protein

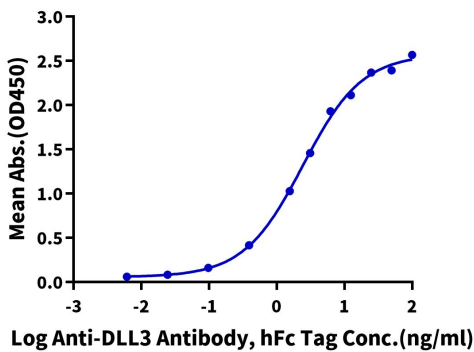
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Assay Data

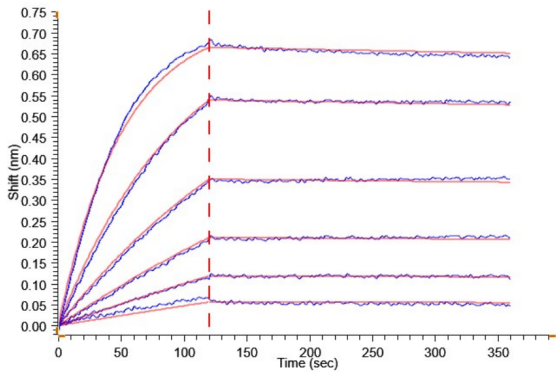
ELISA Data

Biotinylated Human DLL3 Domain(311-479), His Tag ELISA
0.05μg Biotinylated Human DLL3 Domain(311-479), His Tag Per Well



Immobilized Biotinylated Human DLL3 Domain (311-479), His Tag at 0.5μg/ml (100μl/well) on the streptavidin precoated plate (5μg/ml). Dose response curve for Anti-DLL3 Antibody, hFc Tag with the EC50 of 2.4ng/ml determined by ELISA.

BLI Data



Loaded Anti-DLL3 Antibody, hFc Tag on ProA-Biosensor can bind Biotinylated Human DLL3 (311-479), His-Avi Tag with an affinity constant of 0.22 nM as determined in BLI assay (Gator® Prime).