Human DLL3 Domain (311-427) Protein, Ultra Low Endotoxin

Cat. No. DLL-HM1D3-UL

Description

Source	Recombinant Human DLL3 Domain (311-427) Protein is expressed from HEK293 with His tag at the C-terminus.
	It contains Val311-Arg427.
Accession	Q9NYJ7-1
Molecular Weight	The protein has a predicted MW of 13.54 kDa. Due to glycosylation, the protein migrates to 15-20 kDa based on Bis-Tris PAGE result.
Endotoxin	Less than 0.001 EU per μg by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE
	> 95% as determined by HPLC

Formulation and Storage

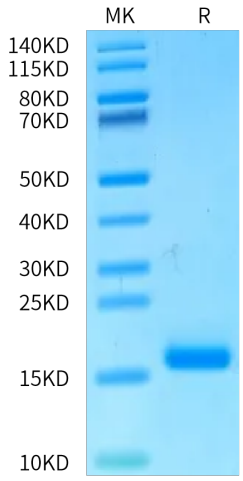
Formulation	Lyophilized from 0.22 μm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Dissolve the lyophilized protein in distilled water. Please refer to the Certificate of Analysis for detailed instructions.
Storage	-20 to -80°C for 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).

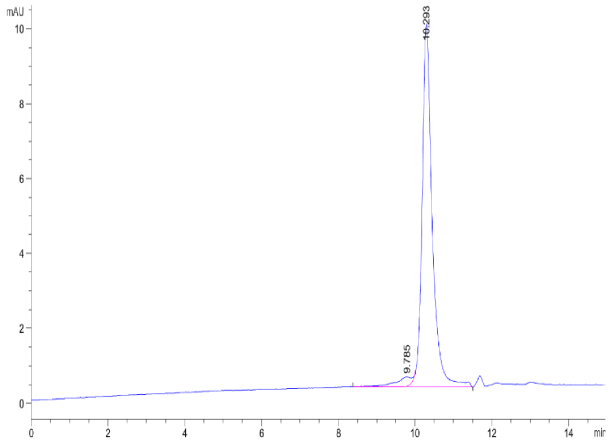
Assay Data

Bis-Tris PAGE



Human DLL3 Domain (311-427) on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

SEC-HPLC



The purity of Human DLL3 Domain (311-427) is greater than 95% as determined by SEC-HPLC.

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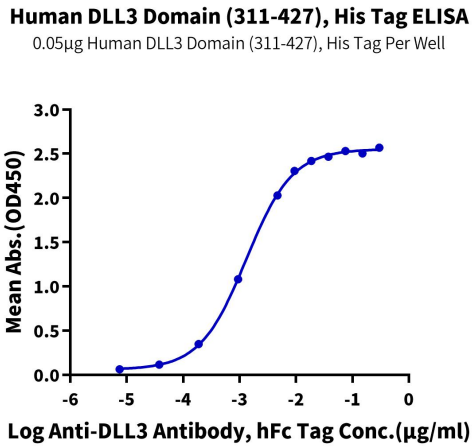
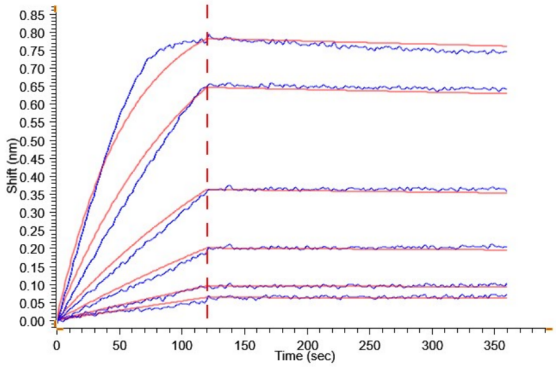
Assay Data

ELISA Data



Immobilized Human DLL3 Domain (311-427), His Tag at 0.5μg/ml (100μl/well) on the plate. Dose response curve for Anti-DLL3 Antibody, hFc Tag with the EC50 of 2.7ng/ml determined by ELISA (QC Test).

BLI Data



Loaded Anti-DLL3 Antibody, hFc Tag on ProA-Biosensor can bind Human DLL3 (311-427), His Tag with an affinity constant of 0.65 nM as determined in BLI assay (Gator® Prime).