Human DLL3 Domain (311-479) Protein

Cat. No. DLL-HM4D1

Description

Source	Recombinant 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

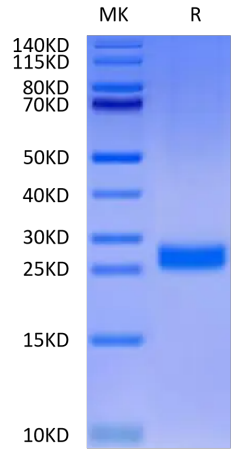
Formulation	Lyophilized from 0.22 μm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 μg/ml is recommended. Dissolve the lyophilized protein in distilled water.
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).

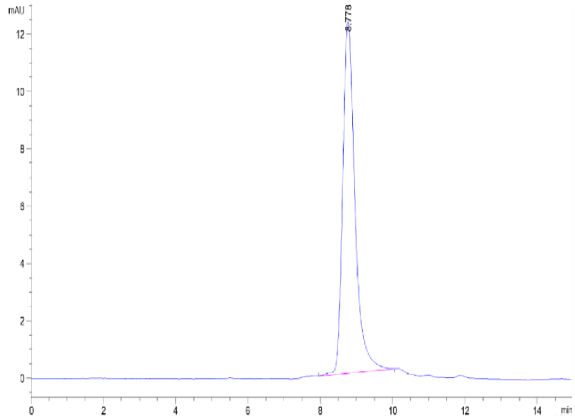
Assay Data

Bis-Tris PAGE



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

SEC-HPLC



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

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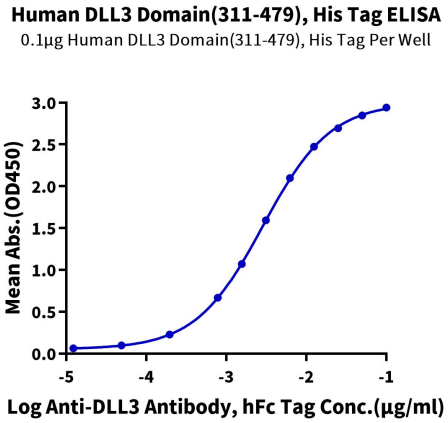
Assay Data

ELISA Data



Immobilized Human DLL3 Domain (311-479), His Tag at 1 μg/ml (100 μl/Well) on the plate. Dose response curve for Anti-DLL3 Antibody, hFc Tag with the EC50 of 2.9 ng/ml determined by ELISA.