Human DLL3 Protein

Cat. No. DLL-HM103

Description

Source	Recombinant Human DLL3 Protein is expressed from HEK293 with His tag at the N-terminus.
	It contains Ala27-Arg490.
Accession	Q9NYJ7-1
Molecular Weight	The protein has a predicted MW of 50.4 kDa. Due to glycosylation, the protein migrates to 52-60 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

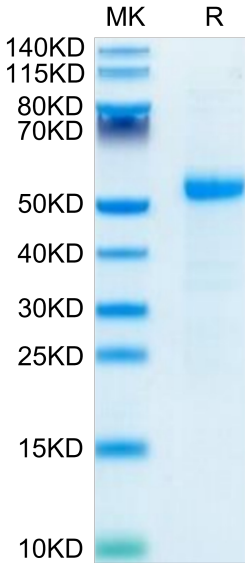
Formulation	Lyophilized from 0.22 μm filtered solution in PBS, 200 mM Arginine (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Dissolve the lyophilized protein in distilled water. Please refer to the Certificate of Analysis for detailed instructions.
Storage	-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 and may be required to divert neurons along a specific differentiation pathway. It plays a role in the formation of somite boundaries during segmentation of the paraxial mesoderm.

Assay Data

Bis-Tris PAGE



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

ELISA Data

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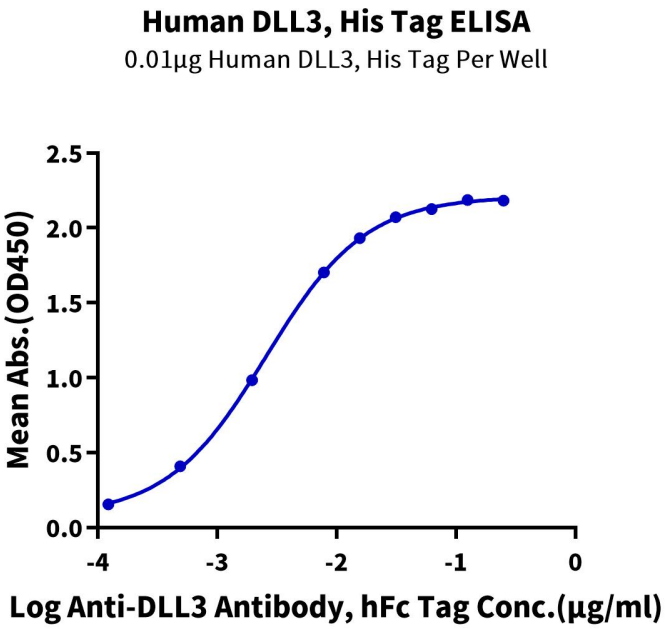
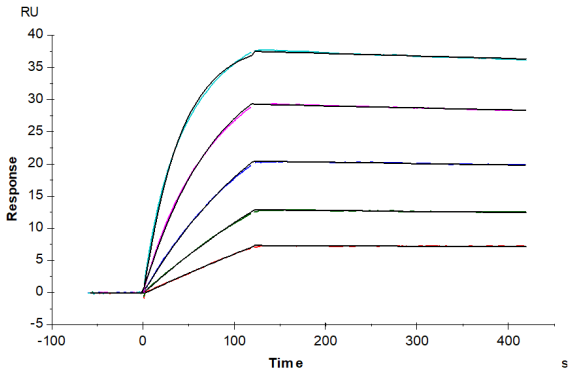
Assay Data



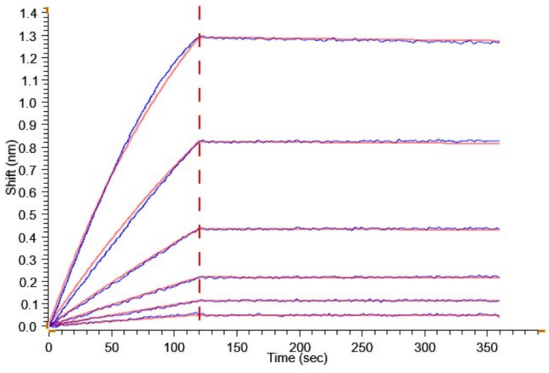
Immobilized Human DLL3, His Tag at 0.1 μg/mL (100 μl/well). Dose response curve for Anti-DLL3 Antibody, hFc Tag with the EC50 of 2.6 ng/ml determined by ELISA (QC Test).

SPR Data



Anti-DLL3 Antibody captured on CM5 Chip via Protein A can bind Human DLL3, His Tag with an affinity constant of 0.22 nM as determined in SPR assay (Biacore T200).

BLI Data



Loaded Anti-DLL3 Antibody, hFc Tag on ProA-Biosensor can bind Human DLL3, His Tag with an affinity constant of 0.35 nM as determined in BLI assay (Gator® Prime).