

Human DLL3 Protein

Cat. No. DLL-HM103

Description

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|-------------------------|--|
| 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

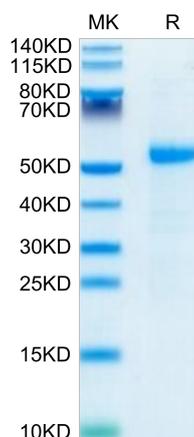
| | |
|-----------------------|---|
| Formulation | Lyophilized from 0.22 µm filtered solution in PBS, 200 mM Arginine (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization. |
| Reconstitution | Centrifuge the tube before opening. Reconstituting to a concentration more than 100 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 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

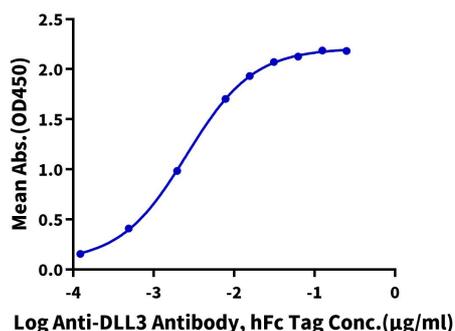


Human DLL3 on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

ELISA Data

Human DLL3, His Tag ELISA

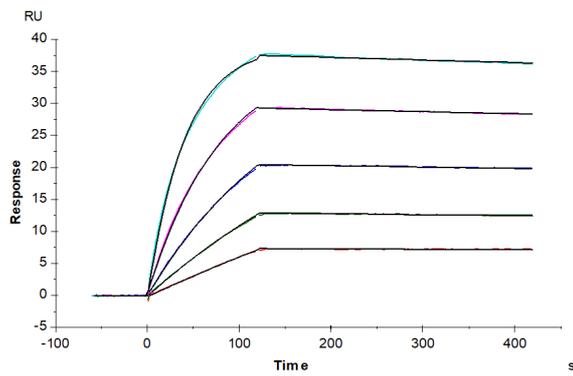
0.01µg Human DLL3, His Tag Per Well



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).

Assay Data

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).