

Mouse DLL3 Protein, Ultra Low Endotoxin

Cat. No. DLL-MM103-UL



Description

Source	Recombinant Mouse DLL3 Protein is expressed from HEK293 with His tag at the C-Terminus.
	It contains His33-Arg488.
Accession	O88516-1
Molecular Weight	The protein has a predicted MW of 49.02 kDa. Due to glycosylation, the protein migrates to 52-60 kDa based on Bis-Tris PAGE result.
Endotoxin	Less than 0.01 EU per µg by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE
	> 95% as determined by HPLC

Formulation and Storage

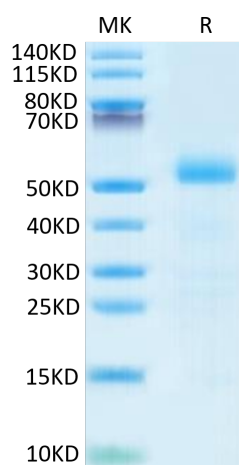
Formulation	Lyophilized from 0.22µm filtered solution in PBS, 200mM Arginine (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Dissolve the lyophilized protein in distilled water. Please refer to the Certificate of Analysis for detailed instructions.
Storage	-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. 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).

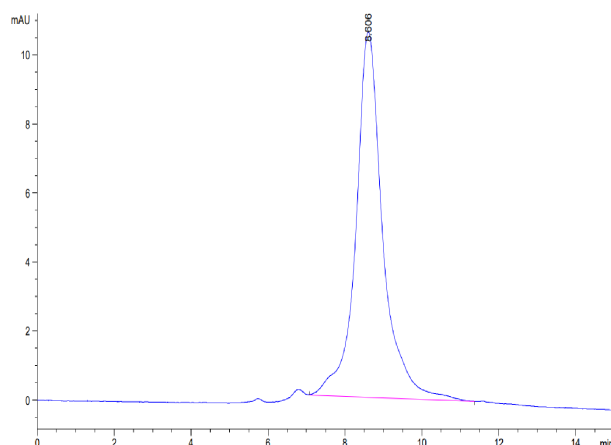
Assay Data

Bis-Tris PAGE



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

SEC-HPLC



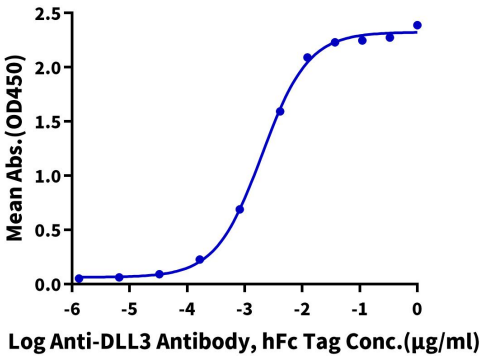
The purity of Mouse DLL3 is greater than 95% as determined by SEC-HPLC.

Assay Data

ELISA Data

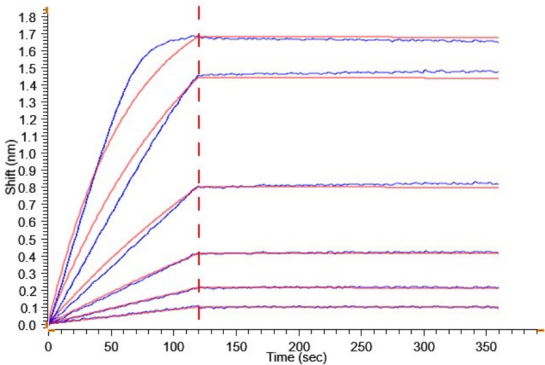
Mouse DLL3, His Tag ELISA

0.5µg Mouse DLL3, His Tag Per Well



Immobilized Mouse DLL3, His Tag at 5µg/ml (100µl/well) on the plate. Dose response curve for Anti-DLL3 Antibody, hFc Tag with the EC50 of 2.0ng/ml determined by ELISA.

BLI Data



Loaded Anti-DLL3 Antibody, hFc Tag on ProA-Biosensor can bind Mouse DLL3, His Tag with an affinity constant of 0.11 nM as determined in BLI assay (Gator® Prime).