

Rhesus macaque DLL3 Protein

Cat. No. DLL-RM103



Description

Source	Recombinant Rhesus macaque DLL3 Protein is expressed from HEK293 with His tag at the N-Terminus.
	It contains Ala27-Arg490.
Accession	F6TFV4
Molecular Weight	The protein has a predicted MW of 51 kDa. Due to glycosylation, the protein migrates to 50-60 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
	> 95% as determined by HPLC

Formulation and Storage

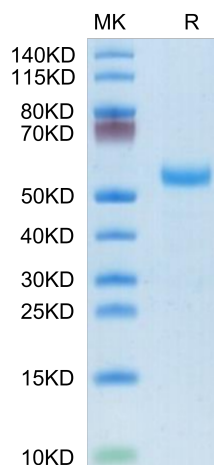
Formulation	Lyophilized from 0.22µm filtered solution in 20mM Tris, 50mM NaCl, 200mM L-arginine (pH 8.5) / PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Dissolve the lyophilized protein in distilled water. Please refer to the Certificate of Analysis 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).

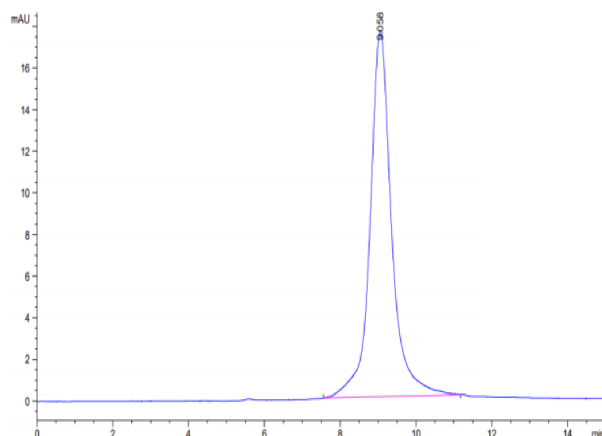
Assay Data

Bis-Tris PAGE



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

SEC-HPLC

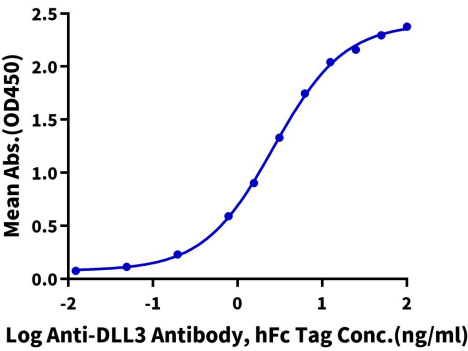


The purity of Rhesus macaque DLL3 is greater than 95% as determined by SEC-HPLC.

Assay Data

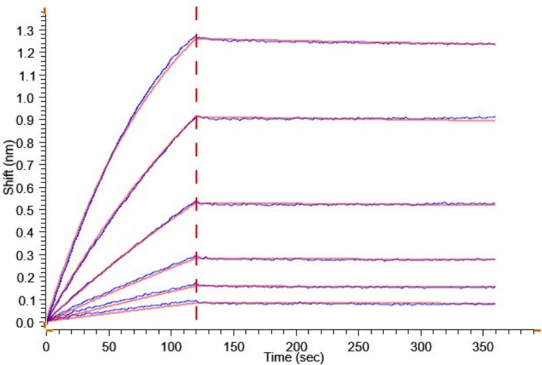
ELISA Data

Rhesus macaque DLL3, His Tag ELISA
0.1µg Rhesus macaque DLL3, His Tag Per Well



Immobilized Rhesus macaque DLL3, His Tag at 1µg/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.

BLI Data



Loaded Anti-DLL3 Antibody, hFc Tag on ProA-Biosensor can bind Rhesus macaque DLL3, His Tag with an affinity constant of 0.86 nM as determined in BLI assay (Gator® Prime).