Human DLL3 Protein, Ultra Low Endotoxin

Cat. No.   DLL-HM203-UL

KAC·TUS

Description

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Source	Recombinant Human DLL3 Protein is expressed from HEK293 with hFc (IgG1) tag at the C-terminus.
	It contains Ala27-Arg490.
Accession	Q9NYJ7-1
Molecular Weight	The protein has a predicted MW of 74.19 kDa. Due to glycosylation, the protein migrates to 75-85 kDa based on Bis-Tris PAGE result.
Endotoxin	Less than 0.01 EU per µg by the LAL method.
Purity	> 90% as determined by Bis-Tris PAGE

Formulation and Storage

Formulation	Lyophilized from 0.22 µm filtered solution in PBS, 200mM L-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.
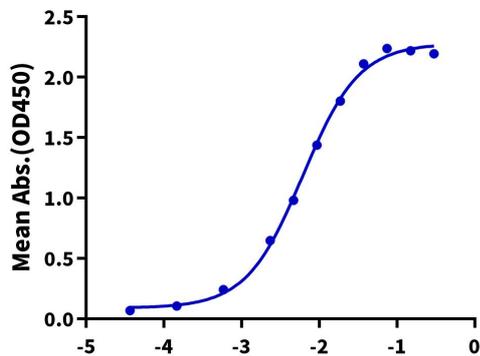
Assay Data

Bis-Tris PAGE
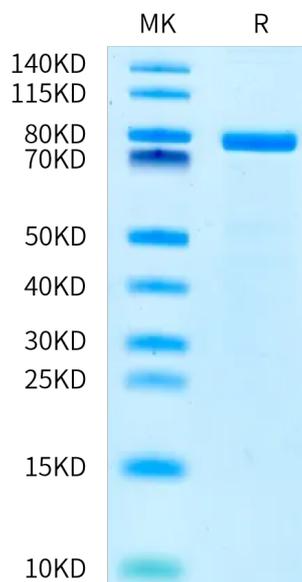
Human DLL3 on Bis-Tris PAGE under reduced condition. The purity is greater than 90%.

ELISA Data
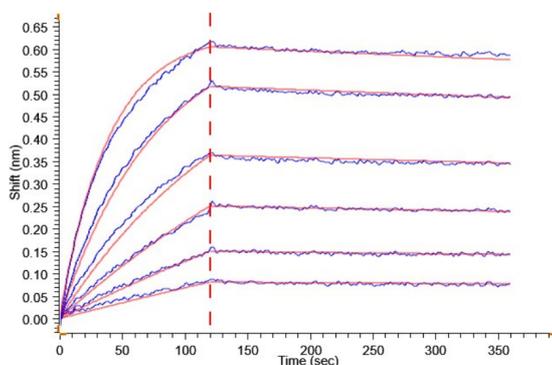
Assay Data

Human DLL3, hFc Tag ELISA

0.05μg Human DLL3, hFc Tag Per Well

Log Biotinylated Anti-DLL3 Antibody, hFc Tag Conc.(μg/ml)

Immobilized Human DLL3, hFc Tag at 0.5μg/ml (100μl/well) on the plate. Dose response curve for Biotinylated Anti-DLL3 Antibody, hFc Tag with the EC50 of 6.1ng/ml determined by ELISA.

BLI Data

Loaded Biotinylated Anti-DLL3 Antibody, hFc Tag on Streptavidin-Biosensor can bind Human DLL3, hFc Tag with an affinity constant of 1.60 nM as determined in BLI assay .

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