Human DLL4 Protein

Cat. No. DLL-HM004

Description

Source	Recombinant Human DLL4 Protein is expressed from HEK293 without tag.
	It contains Ser27-Pro524.
Accession	Q9NR61
Molecular Weight	The protein has a predicted MW of 54.28 kDa. Due to glycosylation, the protein migrates to 55-70 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

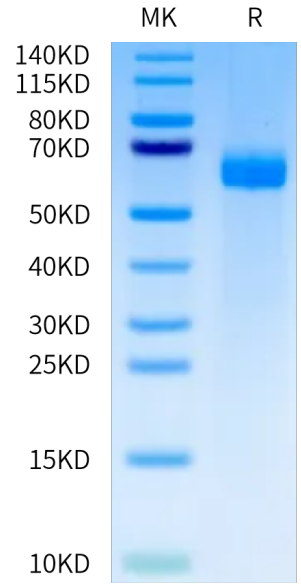
Formulation	Lyophilized from 0.22 μm filtered solution in PBS, 200mM Arginine (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Dissolve the lyophilized protein in distilled water. Please refer to the Certificate of Analysis for detailed instructions.
Storage	-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 4 (DLL4) is a type I membrane protein belonging to the Delta/Serrate/Lag2 (DSL) family of Notch ligands. Activates NOTCH1 and NOTCH4. Involved in angiogenesis; negatively regulates endothelial cell proliferation and migration and angiogenic sprouting. Essential for retinal progenitor proliferation. Required for suppressing rod fates in late retinal progenitors as well as for proper generation of other retinal cell types (By similarity). During spinal cord neurogenesis, inhibits V2a interneuron fate.

Assay Data

Bis-Tris PAGE



Human DLL4 on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

SEC-HPLC

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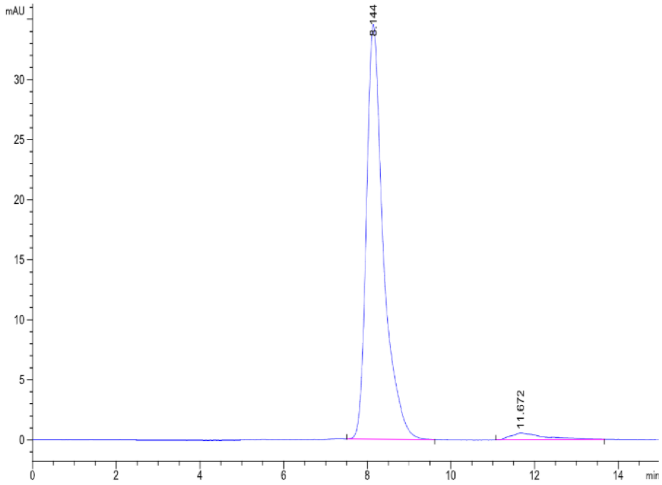
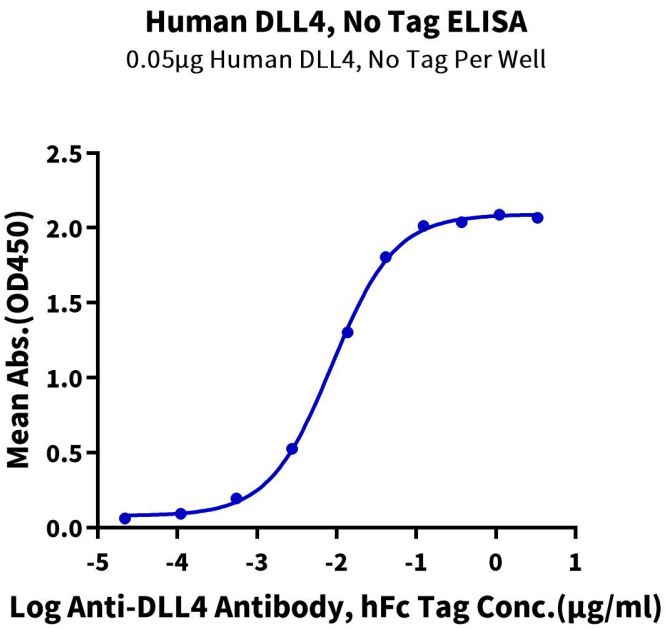
Assay Data



The purity of Human DLL4 is greater than 95% as determined by SEC-HPLC.

ELISA Data



Immobilized Human DLL4, No Tag at 0.5μg/ml (100μl/well) on the plate. Dose response curve for Anti-DLL4 Antibody, hFc Tag with the EC50 of 8.7ng/ml determined by ELISA.