Biotinylated Recombinant Human DLL4 Protein

Catalog No.: RP00313B

Sequence Information

Species
Human

Gene ID
54567

Swiss Prot
Q9NR61

Tags
C-His&Avi

Synonyms
DLL4; MGC126344; notch ligand DLL4; Delta4; Delta-like 4

Product Information

Source
HEK293 cells

Purification
≥ 95 % as determined by SDS-PAGE;≥ 95 % as determined by HPLC.

Calculated MW
55.7 kDa

Observed MW
62-68 kDa

Endotoxin
< 1 EU/μg of the protein by LAL method.

Formulation
Lyophilized from 0.22 μm filtered solution in PBS, 200 mM L-arginine (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.

Reconstitution
Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stablizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-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.

Basic Information

Description
Biotinylated Recombinant Human DLL4 Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Ser27-Pro524) of Human DLL4 (Accession #Q9NR61) fused with a C-His&Avi tag at the C-terminus.

Activity

Shipping
Lyophilized proteins are shipped at ambient temperature.
Liquid proteins are shipped at frozen temperature with dry ice.
Upon receipt, store it immediately at the temperature recommended below.

Storage
Store at -20℃

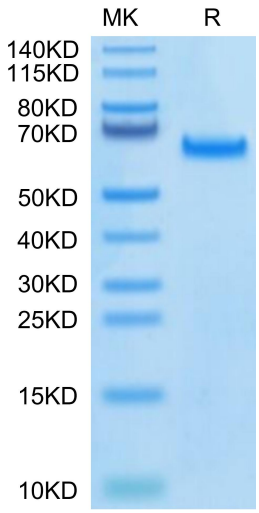
Operational Notes
For your safety and health, please wear a lab coat and disposable gloves for handling.

Contact

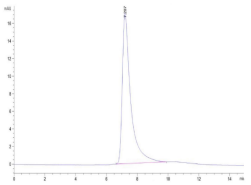
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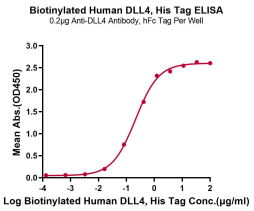
Validation Data



Biotinylated Recombinant Human DLL4 Protein was determined by Tris-Bis PAGE under reducing conditions.



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



Immobilized Anti-DLL4 Antibody, hFc Tag at 2 μg/mL (100 μL/Well) on the plate. Dose response curve for Biotinylated Human DLL4, His Tag with the EC_{50} of 0.21 μg /mL determined by ELISA.