Human DLL3 (312-389) Protein, Fc Tag, low endotoxin (MALS & SPR verified)

Catalog # DL3-H525d

Synonyms

Delta3, delta-like 3 (Drosophila), delta-like protein 3, DLL3, Pudgy, SCDO1, SCDO1delta3

Source

Human DLL3 (312-389) Protein, Fc Tag (DL3-H525d) is expressed from human 293 cells (HEK293). It contains AA Ser 312 - Glu 389 (Accession # Q9NYJ7-1).

Predicted N-terminus: Ser 312

Molecular Characterization



This protein carries a human IgG1 Fc tag at the C-terminus.

The protein has a calculated MW of 34.5 kDa. The protein migrates as 37-40 kDa when calibrated against Star Ribbon Pre-stained Protein Marker under reducing (R) condition (SDS-PAGE) due to glycosylation.

Endotoxin

Less than 0.01 EU per μg by the LAL method / rFC method.

Purity

>95% as determined by SDS-PAGE.

>95% as determined by SEC-MALS.

Formulation

Lyophilized from 0.22 μm filtered solution in PBS, pH7.4 with trehalose as protectant.

Contact us for customized product form or formulation.

Reconstitution

Please see Certificate of Analysis for specific instructions.

For best performance, we strongly recommend you to follow the reconstitution protocol provided in the CoA.

Shipping and Storage

This product is shipped at ambient temperature.

For long term storage, the product should be stored at lyophilized state at -20°C or lower.

Please avoid repeated freeze-thaw cycles.

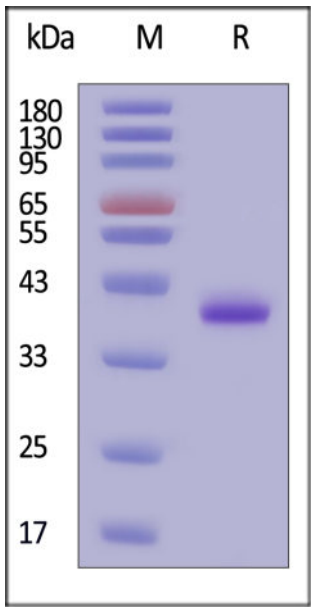
This product is stable after storage at:

- -20°C to -70°C for 12 months in lyophilized state;
- -70°C for 3 months under sterile conditions after reconstitution.

ACRO Quality Management System

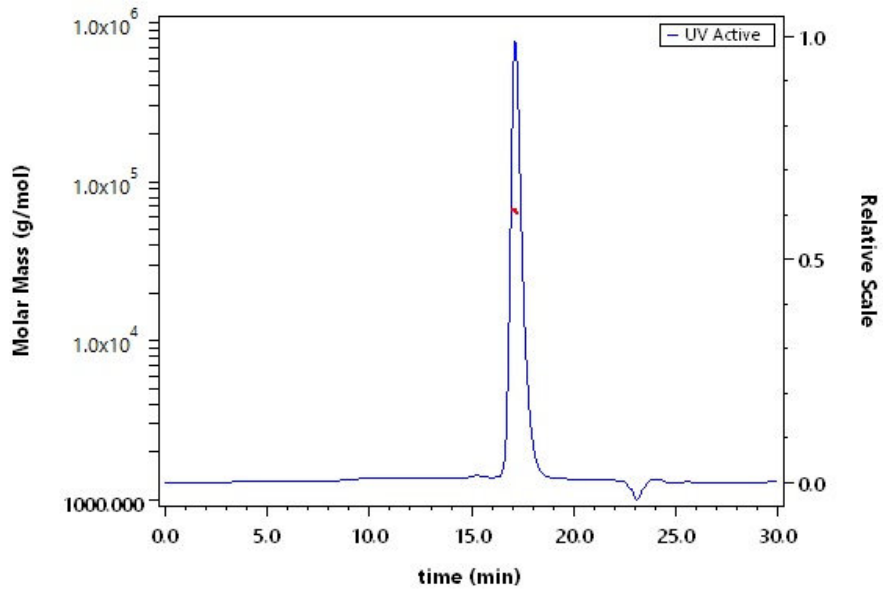
- QMS(ISO, GMP)
- Quality Advantages
- Quality Control Process

SDS-PAGE



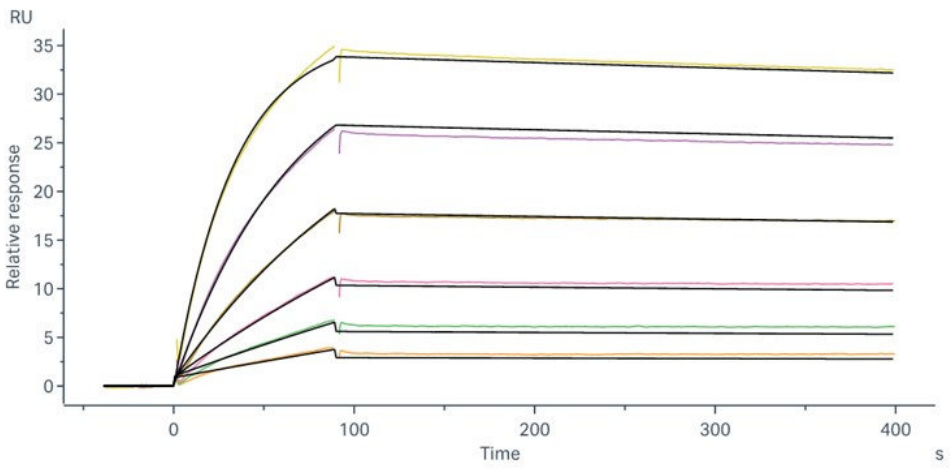
Human DLL3 (312-389) Protein, Fc Tag on SDS-PAGE under reducing (R) condition. The gel was stained with Coomassie Blue. The purity of the protein is greater than 95% (With Star Ribbon Pre-stained Protein Marker).

SEC-MALS



The purity of Human DLL3 (312-389) Protein, Fc Tag (Cat. No. DL3-H525d) is more than 95% and the molecular weight of this protein is around 60-80 kDa verified by SEC-MALS.

Activity-SPR



Tarlatamab immobilized on CM5 Chip can bind Human DLL3 (312-389) Protein, Fc Tag (Cat. No. DL3-H525d) with an affinity constant of 0.137 nM as determined in a SPR assay (Biacore 8K) (QC tested).

Background

Delta-like protein 3 (DLL3) is a transmembrane protein that belongs to the Delta/Serrate/Lag-2 (DSL) family of Notch ligands.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. DLL3 protein is expressed on the surface of tumor cells but not in normal adult tissues.