

Human DLL3 (312-427) Protein, His Tag, low endotoxin (MALS verified)

Catalog # DL3-H52Hx



BIOSYSTEMS
Acro

Synonyms

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

Source

Human DLL3 (312-427), His Tag (DL3-H52Hx) is expressed from human 293 cells (HEK293). It contains AA Ser 312 - Arg 427 (Accession # [Q9NYJ7-1](#)).

Molecular Characterization

DLL3(Ser 312 - Arg 427)
Q9NYJ7-1

Poly-his

This protein carries a polyhistidine tag at the C-terminus.

The protein has a calculated MW of 13.7 kDa. The protein migrates as 15-18 kDa 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.

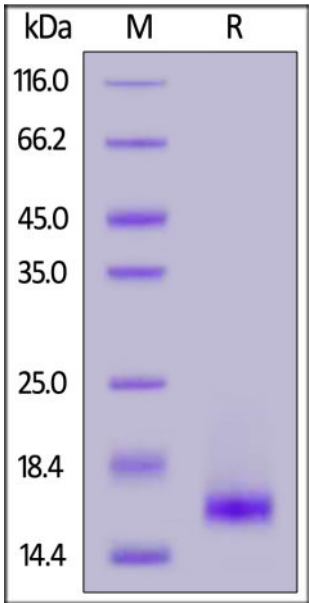
This product is stable after storage at:

- -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

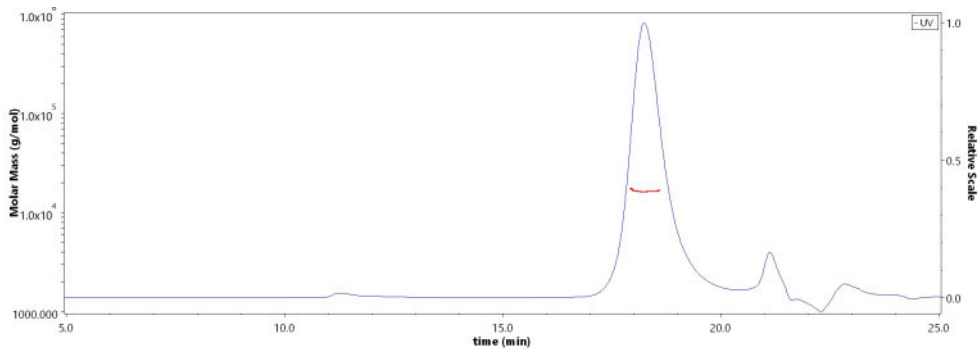
- [QMS\(ISO, GMP\)](#).
- [Quality Advantages](#)
- [Quality Control Process](#)

SDS-PAGE



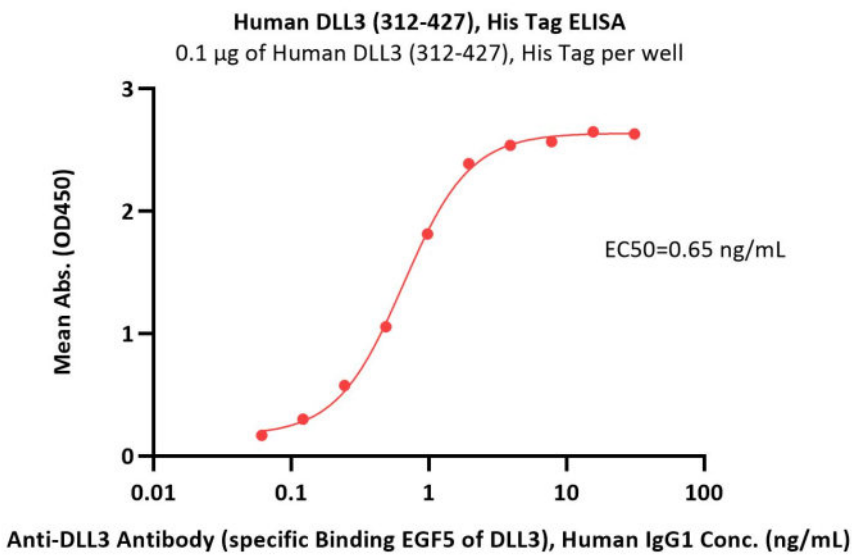
Human DLL3 (312-427), His Tag on SDS-PAGE under reducing (R) condition. The gel was stained with Coomassie Blue. The purity of the protein is greater than 95%.

SEC-MALS

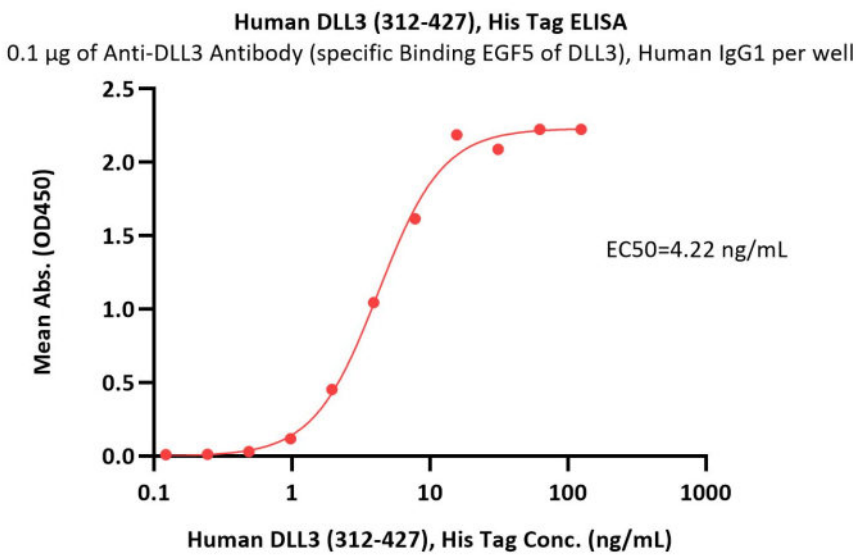


The purity of Human DLL3 (312-427), His Tag (Cat. No. DL3-H52Hx) is more than 95% and the molecular weight of this protein is around 13-20 kDa verified by SEC-MALS.

Bioactivity-ELISA



Immobilized Human DLL3 (312-427), His Tag (Cat. No. DL3-H52Hx) at 1 µg/mL (100 µL/well) can bind Anti-DLL3 Antibody (specific Binding EGF5 of DLL3), Human IgG1 with a linear range of 0.06-2 ng/mL (QC tested).



Immobilized Anti-DLL3 Antibody (specific Binding EGF5 of DLL3), Human IgG1 at 1 µg/mL (100 µL/well) can bind Human DLL3 (312-427), His Tag (Cat. No. DL3-H52Hx) with a linear range of 0.1-8 ng/mL (Routinely 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.



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