

Human DLL3 (353-427) Protein, Mouse IgG2a Fc Tag, low endotoxin (MALS verified)

Catalog # DL3-H5256



Synonyms

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

Source

Human DLL3 (353-427), Mouse IgG2a Fc Tag (DL3-H5256) is expressed from human 293 cells (HEK293). It contains AA Arg 353 - Arg 427 (Accession # [Q9NYJ7-1](#)).

Molecular Characterization

DLL3(Arg 353 - Arg 427) Q9NYJ7-1	mFc(Glu 98 - Lys 330) P01863
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This protein carries a mouse IgG2a Fc tag at the C-terminus.

The protein has a calculated MW of 34.8 kDa. The protein migrates as 40-45 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

>90% as determined by SDS-PAGE.

>95% as determined by SEC-MALS.

Formulation

Lyophilized from 0.22 µm filtered solution in 50 mM Tris, 100 mM Glycine, 25 mM Arginine, 150 mM NaCl, pH7.5 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.

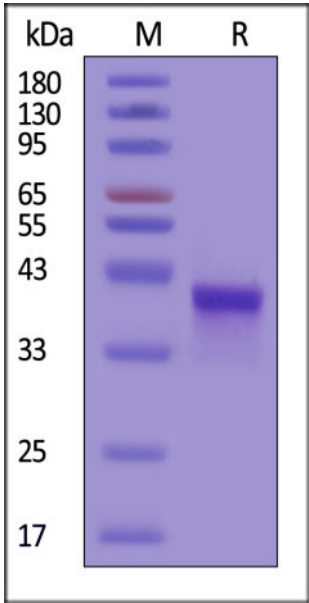
This product is stable after storage at:

- -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

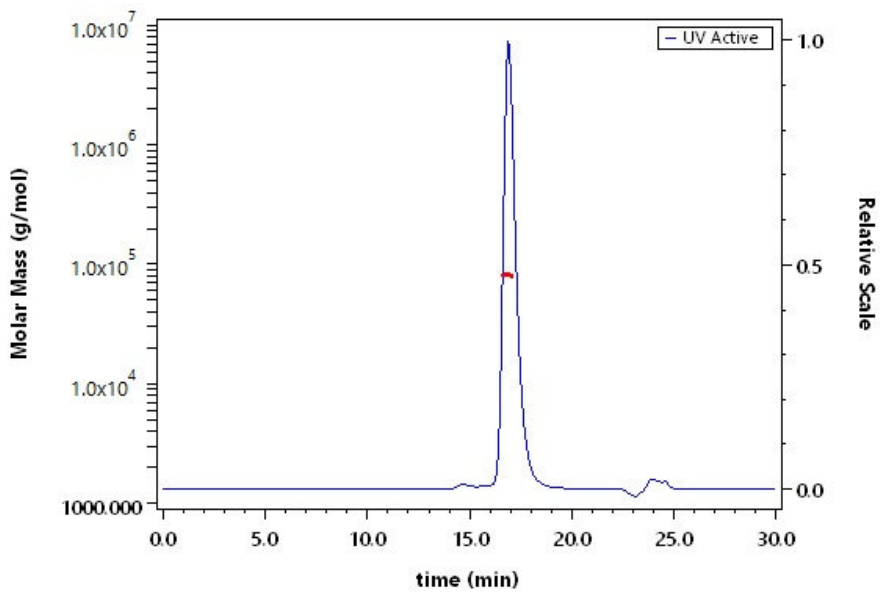
- [QMS\(ISO, GMP\)](#)
- [Quality Advantages](#)
- [Quality Control Process](#)

SDS-PAGE



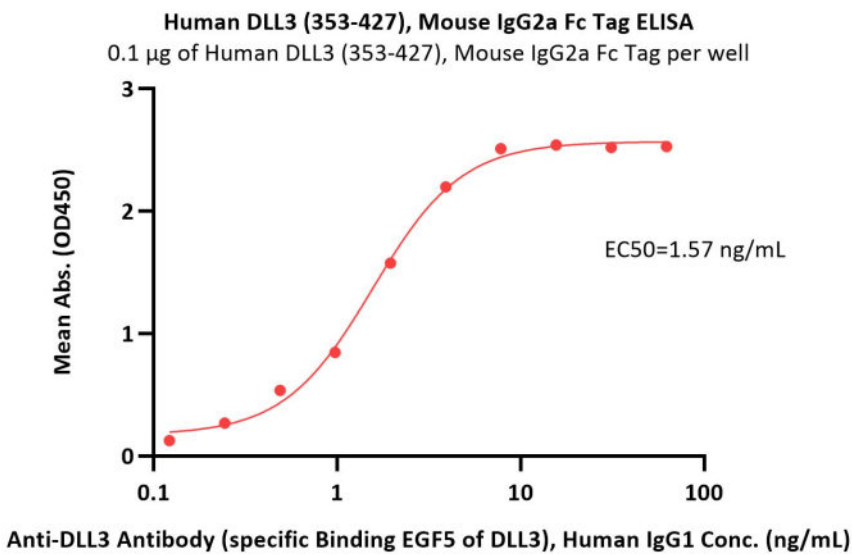
Human DLL3 (353-427), Mouse IgG2a Fc Tag on SDS-PAGE under reducing (R) condition. The gel was stained with Coomassie Blue. The purity of the protein is greater than 90% (With [Star Ribbon Pre-stained Protein Marker](#)).

SEC-MALS



The purity of Human DLL3 (353-427), Mouse IgG2a Fc Tag (Cat. No. DL3-H5256) is more than 95% and the molecular weight of this protein is around 67-81 kDa verified by SEC-MALS.

Bioactivity-ELISA



Immobilized Human DLL3 (353-427), Mouse IgG2a Fc Tag (Cat. No. DL3-H5256) at 1 µg/mL (100 µL/well) can bind Anti-DLL3 Antibody (specific Binding EGFs of DLL3), Human IgG1 with a linear range of 0.2-4 ng/mL (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.

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