

### Synonym

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

### Source

PE-Labeled Human DLL3 Protein, His Tag (DL3-HP2H7) is produced via site-specific conjugation of PE to Human DLL3 Protein, His Tag under optimal conditions with a proprietary technology. Human DLL3 Protein, His Tag is expressed from human 293 cells (HEK293). It contains AA Ala 27 - Leu 492 (Accession # [Q9NYJ7-1](#)).

Predicted N-terminus: Ala 27

### Molecular Characterization

DLL3(Ala 27 - Leu 492) Q9NYJ7-1	Poly-his
------------------------------------	----------

This protein carries a polyhistidine tag at the C-terminus

The protein has a calculated MW of 52.1 kDa.

### Conjugate

PE

Excitation Wavelength: 488 nm / 561 nm

Emission Wavelength: 575 nm

### Application

Please note that this product is NOT compatible to streptavidin detection system.

### Formulation

Lyophilized from 0.22  $\mu$ m filtered solution in PBS, 0.5% BSA, 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.*

### Storage

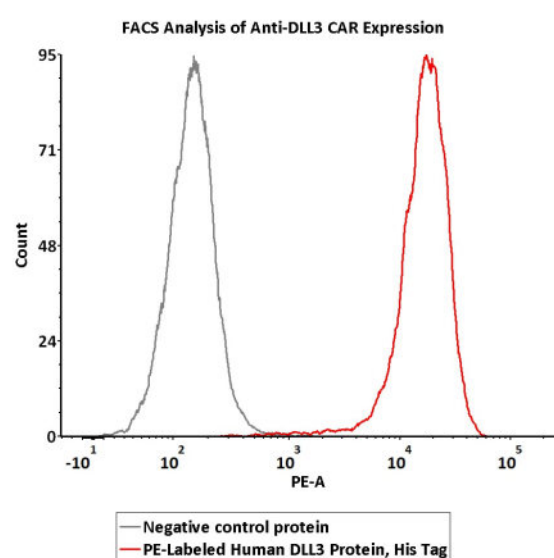
For long term storage, the product should be stored at lyophilized state at  $-20^{\circ}\text{C}$  or lower.

*Please protect from light and avoid repeated freeze-thaw cycles.*

This product is stable after storage at:

- $-20^{\circ}\text{C}$  to  $-70^{\circ}\text{C}$  for 12 months in lyophilized state;
- $-70^{\circ}\text{C}$  for 3 months under sterile conditions after reconstitution.

### Bioactivity-FACS



$5 \times 10^5$  of anti-DLL3 CAR-293 cells were stained with 100  $\mu$ L of 1:25 dilution (4  $\mu$ L stock solution in 100  $\mu$ L FACS buffer) of PE-Labeled Human DLL3 Protein, His Tag (Cat. No. DL3-HP2H7) and negative control protein respectively. PE signal was used to evaluate the binding activity (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.

### **Clinical and Translational Updates**

Please contact us via [TechSupport@acrobiosystems.com](mailto:TechSupport@acrobiosystems.com) if you have any question on this product.