# Recombinant Human DLL3 Protein

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Catalog No.: RP02041 Recombinant

# **Sequence Information**

**Species** Gene ID **Swiss Prot** Human 10683 O9NYI7

**Tags** 

N-His

**Synonyms** 

Delta-like protein 3; SCDO1; DLL3

# **Product Information**

**Purification** Source

HEK293 cells ≥ 95 % as determined by SDS-

PAGE.

Calculated MW Observed MW

50.4 kDa 55-60 kDa

**Endotoxin** 

< 0.1 EU/µg of the protein by LAL method.

#### **Formulation**

Lyophilized from a 0.22 µm filtered solution of PBS, 200 mM Arginine, pH 7.4. Contact us for customized product form or formulation.

### Reconstitution

Centrifuge the tube 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.

### Contact

400-999-6126 6 cn.market@abclonal.com.cn

# **Background**

Delta-like 3 (Drosophila), also known as DLL3, is a protein which in humans is encoded by the DLL3 gene. Two transcript variants encoding distinct isoforms have been identified for this gene. Mutations in this gene cause the autosomal recessive genetic disorder Jarcho-Levin syndrome. Expression of the gene occurs in Neuroendocrine tumors, which has been targeted as a potential pathway for treatment.

#### **Basic Information**

#### **Description**

Recombinant Human CD40L/CD154 Protein is produced by HEK293 expression system. The target protein is expressed with sequence (Ala27-Arg491) of human DLL3 (Accession #Q9NYI7) fused with His at the N-terminus.

### **Bio-Activity**

Immobilized human DLL3 at 0.1 µg/mL (100 µL/well), dose response curve for Anti-Human DLL3 Ab with the EC<sub>50</sub> of 10.53 ng/mL determined by ELISA.

#### **Shipping**

The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.

## Storage

Store at -20°C. Store the lyophilized protein at -20°C to -80 °C up to 1 year from the date of receipt.

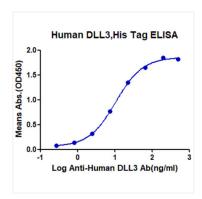
After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.

Avoid repeated freeze/thaw cycles.

## **Operational Notes**

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

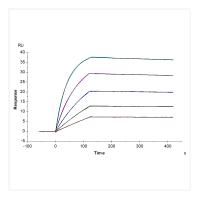
# **Validation Data**



Immobilized human DLL3, His Tag at 0.1 $\mu$ g/mL (100  $\mu$ L/well), dose response curve for Anti-Human DLL3 Ab with the EC<sub>s0</sub> of 10.53ng/mL determined by ELISA.



Recombinant Human DLL3 Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.



Anti-DLL3 Antibody captured on CM5 Chip via Protein A can bind Human DLL3, His Tag with an affinity constant of 0.22 nM as determined in SPR assay (Biacore T200).