# Mouse DLL1 / Delta-like 1 (His Tag) recombinant protein

Catalog Number: 501135



## **General Information**

## Gene Name Synonym

Drosophila Delta homolog 1

#### **Protein Construction**

A DNA sequence encoding the extracellular domain of mouse DLL1 (NP\_031891.2) (Met 1-Gln 516) was expressed, with a polyhistidine tag at the C-terminus.

## **Organism**

Mouse

## **Expression Host**

**Human Cells** 

# **QC Testing**

## **Activity**

- 1. Measured by its ability to bind human NOTCH1 in a functional ELISA.
- 2. Measured by the ability of the immobilized protein to enhance BMP2 induced alkaline phosphatase activity in C3H10T1/2 mouse embryonic fibroblast cells. The ED $_{50}$  for this effect is typically 2-20  $\mu$ g/mL.

#### **Purity**

> 95 % as determined by SDS-PAGE

#### **Endotoxin**

< 1.0 EU per  $\mu g$  of the protein as determined by the LAL method

#### **Stability**

Samples are stable for up to twelve months from date of receipt at -70°C

#### Predicted N terminal

Ser 22

#### **Molecular Mass**

The recombinant mouse DLL1 consists of 506 amino acids and has a predicted molecular mass of 55 kDa. In SDS-PAGE under reducing conditions, the apparent molecular mass of rm DLL1 is approximately 65 kDa due to glycosylation.

#### **Formulation**

Lyophilized from sterile PBS, pH 7.4, 20% glycerol

- 1. 5 % trehalose and mannitol are added as protectants before lyophilization.
- 2. Please contact us for any concerns or special requirements.

## **Usage Guide**

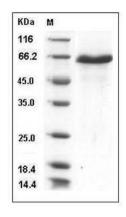
## **Storage**

Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

#### Reconstitution

Adding sterile water, prepare a stock solution of 0.25 mg/ml. Concentration is measured by UV-Vis.

#### **SDS-PAGE**



Mouse DLL1 / Delta-1 Protein (His Tag) SDS-PAGE