

Mouse DLL4/Delta-like 4 (His Tag) recombinant protein



Catalog Number: 502366

General Information

Gene Name Synonym

Drosophila Delta homolog 4

Protein Construction

A DNA sequence encoding the extracellular domain of mouse DLL4 (NP_062327.2) (Met 1-Pro 525) was expressed, with a C-terminal polyhistidine tag.

Organism

Mouse

Expression Host

Human Cells

QC Testing

Activity

1. Measured by its binding ability in a functional ELISA. Immobilized mouse DLL4-his (Cat:502366) at 10 µg/mL (100 µL/well) can bind biotinylated mouse NOTCH1-his. The EC_{50} of biotinylated mouse NOTCH1-his is 30 ng/mL.
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 0.2-3 µg/mL.

Purity

> 96 % as determined by SDS-PAGE

Endotoxin

< 1.0 EU per µg 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 28

Molecular Mass

The secreted recombinant mouse DLL4 comprises 509 amino acids and has a calculated molecular mass of 55.7 kDa. As a result of glycosylation, the recombinant protein migrates as an approximately 68 kDa band in SDS-PAGE under reducing conditions.

Formulation

Lyophilized from sterile PBS, pH 7.4

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

Usage Guide

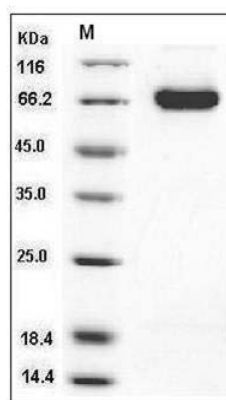
Storage

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



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