

Active Recombinant Mouse DLL4 protein, His-tagged

Cat. No. DLL4-2288M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse DLL4 protein(NP_062327.2)(Met1-Pro525), fused with His tag, was expressed in HEK293.
Species	Mouse
Source	HEK293
ProteinLength	1-525 a.a.
Form	Lyophilized from sterile PBS, pH 7.4Please contact us for any concerns or special requirements. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Please refer to the specific buffer information in the hard copy of CoA.
Bio-activity	1. Immobilized DLL4 Protein, Mouse, Recombinant (His Tag) at 2 µg/mL (100 µL/well) can bind NOTCH1 Protein, Mouse, Recombinant (ECD, hFc Tag),the EC50 is 5-30 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 ED50 for this effect is typically 1-5 µg/mL in the presence of 500 ng/mL recombinant human BMP2.
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.

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Proteinlength	Met1-Pro525
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method
Purity	> 96 % as determined by SDS-PAGE
Storage	Samples are stable for up to twelve months from date of receipt at -20°C to -80°C. 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	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

GENE INFORMATION

Gene Name	DLL4 delta-like 4 (Drosophila) [Mus musculus]
Official Symbol	DLL4
Synonyms	DLL4; delta-like 4 (Drosophila); delta-like protein 4; drosophila Delta homolog 4; Delta4;
Gene ID	54485
mRNA Refseq	NM_019454
Protein Refseq	NP_062327

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