

Active Recombinant Human DLL4 Protein, His-tagged, low Endotoxin

Cat. No. DLL4-11072H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human CD47 Protein, Mouse IgG2a Fc Tag is expressed from human 293 cells (HEK293). It contains AA Gln 19 - Pro 139 (Accession # Q08722-3). This protein carries a mouse IgG2a Fc tag at the C-terminus. Predicted N-terminus: Gln 19
Species	Human
Source	HEK293
ProteinLength	27-524 aa
Description	Delta-like protein 4 (DLL4) is also known as Drosophila Delta homolog 4 (Delta4), which contains one DSL domain and eight EGF-like domains. DLL4 is expressed in vascular endothelium. DLL4 is involved in the Notch signaling pathway as Notch ligand, which can activates NOTCH1 and NOTCH4. DLL4 is involved in angiogenesis and negatively regulates endothelial cell proliferation and migration and angiogenic sprouting. DLL4 can bind to Notch-1 and Notch-4.
Form	Lyophilized from 0.22 µm filtered solution in 50 mM Tris, 100 mM Glycine, pH7.5 with trehalose as protectant.
Bio-activity	Immobilized Human DLL4 Protein, His Tag at 1 µg/mL (100 µL/well) can bind Monoclonal Anti-Human DLL4 Antibody, Human IgG1 with a linear range of 0.1-4 ng/mL.

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Molecular Mass	The protein has a calculated MW of 40.8 kDa. The protein migrates as 55-66 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.
Endotoxin	Less than 0.01 EU/μg by the LAL method/rFC method.
Purity	>95% as determined by SDS-PAGE.
Storage	This product is stable after storage at: -20 to -70 centigrade for 12 months in lyophilized state; -70 centigrade for 3 months under sterile conditions after reconstitution. For long term storage, the product should be stored at lyophilized state at -20 centigrade or lower. Please 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 μg/μL. Centrifuge the vial at 4 centigrade before opening to recover the entire contents.

GENE INFORMATION

Gene Name	DLL4 delta-like 4 (Drosophila) [Homo sapiens (human)]
Official Symbol	DLL4
Synonyms	DLL4; delta-like 4 (Drosophila); delta like 4 homolog (Drosophila); delta-like protein 4; delta4; delta 4; delta ligand 4; notch ligand DLL4; delta-like 4 homolog; delta-like 4 protein; notch ligand delta-2; drosophila Delta homolog 4; hdelta2; MGC126344;
Gene ID	54567
mRNA Refseq	NM_019074
Protein Refseq	NP_061947

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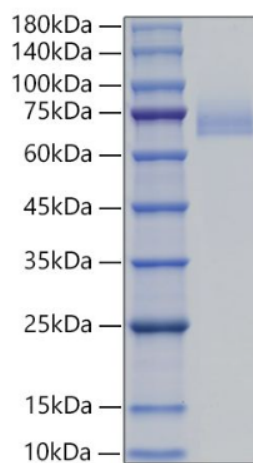
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MIM 605185

UniProt ID Q08722

SDS-PAGE.



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