

Active Recombinant Mouse Dll1 protein, Fc-tagged

Cat. No. Dll1-2562M Lot. No. (See product label)

SPECIFICATION

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| Product Overview | Recombinant Mouse Dll1(aa 1-545) fused with Fc portion of human IgG1 at C-terminal was expressed in HEK293. |
| Species | Mouse |
| Source | HEK293 |
| ProteinLength | 1-545 a.a. |
| Description | The Notch ligand delta-like protein 1 (DLL1) is essential for postnatal arteriogenesis and contributes to tumor progression. DLL1 is involved in differentiation and self-renewal of adipocyte stem cells. Blocks the differentiation of progenitor cells into the B cell lineage while promoting the emergence of a population of cells with the characteristics of a T cell/NK-cell precursor. |
| Form | Liquid. 0.2µm-filtered solution in PBS. |
| Bio-activity | Inhibits adipogenesis of 3T3L-1 cells. Induces Hes-1 in 3T3L-1 cells. |
| Molecular Mass | ~100kDa (SDS-PAGE) |
| Endotoxin | 0.1EU/µg purified protein (LAL test; Lonza). |
| Purity | ≥90% (SDS-PAGE) |

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| Stability | Working aliquots are stable for up to 3 months when stored at -20 centigrade. |
| Storage | Short Term Storage: +4 centigrade; Long Term Storage: -20 centigrade; Handling Advice After opening, prepare aliquots and store at -20 centigrade. Avoid freeze/thaw cycles. |
| Concentration | 1mg/ml |
| GENE INFORMATION | |
| Gene Name | Dll1 delta-like 1 (Drosophila) [Mus musculus] |
| Official Symbol | Dll1 |
| Synonyms | DLL1; delta-like 1 (Drosophila); delta-like protein 1; delta like-1; drosophila Delta homolog 1; Delta1; |
| Gene ID | 13388 |
| mRNA Refseq | NM_007865 |
| Protein Refseq | NP_031891 |
| MIM | |
| UniProt ID | Q61483 |
| Chromosome Location | 17 A2; 17 8.95 cM |
| Pathway | Activated NOTCH1 Transmits Signal to the Nucleus, organism-specific biosystem; Delta-Notch Signaling Pathway, organism-specific biosystem; Notch Signaling |

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Pathway, organism-specific biosystem; Notch signaling pathway, organism-specific biosystem; Notch signaling pathway, conserved biosystem; Signal Transduction, organism-specific biosystem; Signaling by NOTCH, organism-specific biosystem;

Function

Notch binding; Notch binding; calcium ion binding; protein binding;

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