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Recombinant Human sDLL-4

Description: Human sDLL4 comprises the extracellular signaling domain of DLL, a member of a structurally-related family of single-pass type I trans-membrane proteins that serve as ligands for Notch receptors. DLL4 functions to specifically activate the Notch-1 and Notch-4 receptors. The Notch signaling pathway regulates endothelial-cell differentiation, proliferation and apoptosis, and is essential for the development, maintenance and remodeling of the vascular system. Targeted deletion of the DLL4 gene in mice resulted in severe vascular defects and death before birth. Up-regulation of DLL4 expression has been implicated in the vascular development of certain tumors. Recombinant human sDLL4 is a 54.0 kDa glycoprotein containing 498 amino-acid residues.

Source:	293 cells
Molecular Weight:	54 kDa
Purity:	> 95%, by SDS-PAGE and HPLC analysis
Endotoxin level:	< 0.1 ng per µg of sDLL-4
Stabilizer:	none
Formulation:	lyophilised

Biological Activity: The sDLL-4, when immobilized at concentrations >1.5 µg/mL will inhibit myogenesis in C2C12 cells.

Stability: The lyophilized protein is stable for at least 2 years from date of receipt at -20⁰C. Reconstituted sDLL-4 is stable for at least 3 months when stored in working aliquots with a carrier protein at -20⁰C. **Avoid repeated freeze/thaw cycles.**

Usage: Human sDLL-4 is offered for research use. Not for drug use. **Not for human use!**

Catalogue number: S01-051

Size: 25 µg