

Recombinant Human Delta-Like 1 (Drosophila)

Cat. No. DLL1-4993H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human DLL1 was expressed in 293T cells and purified by using SDS PAGE and HPLC.
Species	Human
Source	Human
Description	Human sDLL-1 comprises the extracellular signaling domain of DLL1, a member of a structurally-related family of single-pass type I trans-membrane proteins that serve as ligands for Notch receptors. It is expressed in the heart and pancreas, and to a lesser extent in various other tissues. DLL-1 functions to specifically activate the Notch-1 and Notch-2 receptors.
Form	Lyophilized from PBS, pH 7.5
Purity	>95% pure by SDS PAGE and HPLC
Sequence	Region of sDLL1 protein corresponding to amino acids SGV FELKLQE FVNKKGLLGN RNC CRGGAGP PPCACRTFFRVCLKH YQASV SPEPPCTYGS AVTPVLGVDS FSLPDGGGAD SAFSNPIRFP FGFTWPGTFS LIIEALHTDSPDDLATENPE RLISRLATQR HLTVGEEWSQ DLHSSGRTDL KYSYRFVCDE HYYGEGCSVF CRPRDDAFGHFTCG
Molecular Mass	57-60 kDa

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Applications	Numerous applications are possible with this product and should be tested by the enduser under their own laboratory conditions
Storage	Store at 4 deg C until reconstitution. Following reconstitution aliquot and freeze at -20 deg C for long term storage. Avoid repeated freeze/thaw cycles.
Official Symbol	DLL1
GENE INFORMATION	
Gene Name	DLL1 delta-like 1 (Drosophila)[Homo sapiens]
Synonyms	DLL1; delta-like 1 (Drosophila); DL1; Delta; DELTA1; delta-like protein 1; H-Delta-1; OTTHUMP00000017690; drosophila Delta homolog 1; Drosophila Delta homolog 1; delta (Drosophila)-like 1; Delta1
Gene ID	28514
mRNA Refseq	NM_005618
Protein Refseq	NP_005609
MIM	606582
UniProt ID	O00548
Chromosome Location	6q27
Pathway	Delta-Notch Signaling Pathway; Notch receptor binds with a ligand; Notch signaling pathway; Presenilin action in Notch and Wnt signaling; Receptor-

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ligandbinding initiates the second proteolytic cleavage of Notch receptor; Signaling by Notch

Function

Notchbinding; calcium ion binding; protein binding

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