10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

Human CellExp sDLL-4, Human recombinant protein

Delta-like protein 4; Drosophila Delta homolog 4
Catalog # PBV10769r

Specification

Human CellExp sDLL-4, Human recombinant protein - Product info

Primary Accession	Q9NR61
Calculated MW	**54.3 kDa KDa**

Human CellExp sDLL-4, Human recombinant protein - Additional Info

Gene ID	**54567**
Gene Symbol	**DLL-4**

Other Names
Delta-like protein 4; Drosophila Delta homolog 4

Gene Source	**Human**
Source	**HEK 293 cells**
Assay&Purity	**SDS-PAGE; ≥95%**
Assay2&Purity2	**HPLC;**
Recombinant	**Yes**
Sequence	**SGVFQLQLQE FINERGVLAS GRPCEPGCRT FFRVCLKHFQ AVVSPGPCTF GTVSTPVLGT NSFAVRDDSS GGGRNPLQLP FNFTWPGTFS LIIEAWHAPG DDLRPEALPP DALISKIAIQ GSLAVGQNWL LDEQTSTLTR LRYSYRVICS DNYYGDNCSR LCKKRNDHFG HYVCQPDGNL SCLPGWTGEY CQQPICLSGC HEQNGYCSKP AECLCRPGWQ GRLCNECIPH NGCRHGTCST PWQCTCDEGW GGLFCDQDLN YCTHHSPCKN GATCSNSGQR SYTCTCRPGY TGVDCELELS ECDSNPCRNG GSCKDQEDGY HCLCPPGYYG LHCEHSTLSC ADSPCFNGGS CRERNQGANY ACECPPNFTG SNCEKKVDRC TSNPCANGGQ CLNRGPSRMC RCRPGFTGTY CELHVSDCAR NPCAHGGTCH DLENGLMCTC PAGFSGRRCE VRTSIDACAS SPCFNRATCY TDLSTDTFVC NCPYGFVGSR CEFPVGLP**

Target/Specificity
sDLL-4

Application Notes
Centrifuge the vial prior to opening. Reconstitute in water to a concentration of 0.1-1.0 mg/ml. Do not vortex. This solution can be stored at 2-8°C for up to 1 week. For extended storage, it is recommended to further dilute in a buffer containing a carrier protein (example 0.1% BSA) and store in working aliquots at -20°C to -80°C.

Format
Lyophilized powder

Storage
-20°C; Sterile filtered through a 0.2 micron filter. Lyophilized from 1X PBS, pH 7.5.

Human CellExp sDLL-4, Human recombinant protein - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Human CellExp sDLL-4, Human recombinant protein - Images

Human CellExp sDLL-4, Human recombinant protein - Background

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 54.3 kDa glycoprotein containing 498 amino-acid residues.

Human CellExp sDLL-4, Human recombinant protein - References

Shutter J.R.,et al.Genes Dev. 14:1313-1318(2000).
Sakano S.,et al.Submitted (JAN-2000) to the EMBL/GenBank/DDBJ databases.
Yoneya T.,et al.J. Biochem. 129:27-34(2001).
Clark H.F.,et al.Genome Res. 13:2265-2270(2003).
Zhang Z.,et al.Protein Sci. 13:2819-2824(2004).