Datasheet for ABIN7597362

DLL3 Protein (AA 309-350) (Fc Tag)

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Overview

Quantity:	10 µg
Target:	DLL3
Protein Characteristics:	AA 309-350
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This DLL3 protein is labelled with Fc Tag.

Product Details

Purpose:	Recombinant mouse DLL3(309-350) protein with C-terminal human Fc tag
Sequence:	Mouse DLL3(Val309-Lys350) hFc(Glu99-Ala330)
Purity:	The purity of the protein is greater than 95 % as determined by SDS-PAGE and Coomassie blue staining.

Target Details

Target:	DLL3
Alternative Name:	DLL3 (DLL3 Products)
Background:	Pu, pudgy Predicted to enable Notch binding activity. Involved in skeletal system development. Acts upstream of or within anterior/posterior pattern specification, negative regulation of neurogenesis, and paraxial mesoderm development. Located in plasma membrane. Is

Target Details

	expressed in several structures, including blastocyst, central nervous system, future brain, paraxial mesenchyme, and sensory organ. Used to study spondylocostal dysostosis. Human ortholog(s) of this gene implicated in dysostosis and spondylocostal dysostosis 1. Orthologous to human DLL3 (delta like canonical Notch ligand 3). [provided by Alliance of Genome Resources, Nov 2024]
Molecular Weight:	predicted molecular mass of 30.3 kDa after removal of the signal peptide. The apparent molecular mass of mDLL3(309-350)-hFc is 35-55 kDa due to glycosylation.
UniProt:	O88516
Pathways:	Notch Signaling

Application Details

Application Notes:	Extracellular Domain Proteins (ECD) can be used as: • Immunogens for antibody drug development • Reagents used for CAR-T positive cell monitoring • Reagents for antibody screening and functional testing • Reagents for antibody affinity measurement
Comment:	The protein was made using HEK293 mammalian cell secretion expression system to ensure the close-to-native structures and post-translational modifications of the target protein.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Buffer:	Lyophilized from sterile PBS, pH 7.4. Normally 5 % – 8% trehalose is added as protectants before lyophilization.
Storage:	-20 °C,-80 °C
Storage Comment:	Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.
Expiry Date:	12 months