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Datasheet for ABIN2745646

DLK1 Protein (AA 1-305, Extracellular Domain) (Fc Tag)

Overview

Quantity:	3 x 10 µg
Target:	DLK1
Protein Characteristics:	Extracellular Domain, AA 1-305
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This DLK1 protein is labelled with Fc Tag.
Application:	SDS-PAGE (SDS)

Product Details

Cross-Reactivity:	Mouse (Murine)
Characteristics:	Signal peptide and extracellular domain of mouse DLK1 (aa 1-305) are fused at the C-terminus to the Fc portion of human IgG1.
Purity:	>95 % (SDS-PAGE)
Endotoxin Level:	<0.1EU/µg purified protein (LAL test, Lonza).

Target Details

Target:	DLK1
Alternative Name:	DLK1 (DLK1 Products)

Target Details

Background: The transmembrane and secreted protein delta-like 1 homolog (DLK1, Protein delta homolog 1, Preadipocyte factor 1, Pref-1) belongs to the EGF-like family. It can be cleaved by a tumor necrosis factor-alpha converting enzyme (TACE) to release a soluble form. DLK1 plays important roles in regulating cell differentiation such as adipogenesis and osteogenesis. Membrane-bound DLK1 promotes hypertrophic myotube formation, whereas soluble DLK1 inhibits myotube formation. The soluble form of DLK1 inhibits preadipocyte differentiation, while membrane DLK1 represses preadipocyte proliferation. DLK1 is also associated with tumor invasion.

Molecular Weight: ~75kDa (SDS-PAGE)

UniProt: [Q09163](#)

Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Comment: Inhibits adipogenesis of 3T3L-1 cells. Induces Sox-9 in 3T3L-1 cells.

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: Reconstitute with 100 µL sterile water.

Concentration: Lot specific

Buffer: Lyophilized. Contains PBS + 0.02 % CHAPS.

Storage: 4 °C, -20 °C

Storage Comment: Short Term Storage: +4°C
Long Term Storage: -20°C
Stable for at least 6 months after receipt when stored at -20°C.

Expiry Date: 6 months