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Datasheet for ABIN1344193

**DLK1 Protein (AA 1-303, Extracellular Domain) (DYKDDDDK Tag)**

## Overview

Quantity:	10 µg
Target:	DLK1
Protein Characteristics:	Extracellular Domain, AA 1-303
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This DLK1 protein is labelled with DYKDDDDK Tag.
Application:	SDS-PAGE (SDS)

## Product Details

Cross-Reactivity:	Human
Characteristics:	Signal peptide and extracellular domain of human DLK1 (aa 1-303) are fused at the C-terminus to a FLAG®-tag.
Purity:	>90 % (SDS-PAGE)
Sterility:	0.2 µm filtered
Endotoxin Level:	<0.1EU/µg purified protein (LAL test, Lonza).

## Target Details

Target:	DLK1
Alternative Name:	DLK1 ( <a href="#">DLK1 Products</a> )

## 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:** ~40kDa (SDS-PAGE)

**UniProt:** [P80370](#)

## Application Details

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

**Restrictions:** For Research Use only

## Handling

**Format:** Liquid

**Concentration:** Lot specific

**Buffer:** 10 µg size: Lyophilized. Contains PBS. 50 µg size: In PBS.

**Storage:** 4 °C, -20 °C

**Storage Comment:** Short Term Storage: +4°C  
Long Term Storage: -20°C  
Working aliquots are stable for up to 3 months when stored at -20°C.

**Expiry Date:** 3 months