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Datasheet for ABIN1097394

DLK1 Protein (AA 24-297) (His tag)

Overview

Quantity:	50 µg
Target:	DLK1
Protein Characteristics:	AA 24-297
Origin:	Human
Source:	Human Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This DLK1 protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human Preadipocyte Factor-1/Protein δ Homolog 1/Pref-1/DLK-1 (C-6His)
Sequence:	AECFPACNPQ NGFCEDDNVC RCQPGWQGPL CDQCVTSPGC LHGLCGEPGQ CICTDGWDGE LCDRDVRACS SAPCANNGTC VSLDDGLYEC SCAPGYSGKD CQKKDGPCVI NGSPCQHGGT CVDDEGRASH ASCLCPPGFS GNFCEIVANS CTPNPCENDG VCTDIGGDFR CRCPAGFIDK TCSRPTVNCA SSPCQNGGTC LQHTQVSYEC LCKPEFTGLT CVKKRALSPQ QVTRLPNGYG LAYRLTPGVH ELPVQQPEHR ILKVSMKELN KKTPVDHHHH HH
Characteristics:	Recombinant Human Protein Delta Homolog 1/DLK-1 produced by transfected human cells is a secreted protein with sequence (Ala24-Pro297) of human DLK1 fused with a polyhistidine tag at the C-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Sterility:	0.2 µm filtered
Endotoxin Level:	Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test

Target Details

Target:	DLK1
Alternative Name:	Pref-1/DLK-1/FA1 (DLK1 Products)
Sub Type:	Fusionprotein
Background:	<p>Protein Delta Homolog 1 (DLK-1) is a transmembrane protein which contains a signal peptide, an extracellular domain with six tandem epidermal growth factor (EGF)-like domains, a single pass transmembrane domain, and a short cytoplasmic tail. It is found within the stromal cells in close contact to the vascular structure of placental villi, yolk sac, fetal liver, adrenal cortex and pancreas and in the beta cells of the islets of Langerhans in the adult pancreas. In addition, it is detected in some forms of neuroendocrine lung tumor tissue. DLK-1 may have an important role in neuroendocrine differentiation.</p> <p>Alternative Names: Protein Delta Homolog 1, DLK-1, pG2, DLK1, DLK</p>
Molecular Weight:	30.15 kDa
UniProt:	P80370

Application Details

Restrictions:	For Research Use only
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Handling

Format:	Lyophilized
Reconstitution:	<p>It is not recommended to reconstitute to a concentration less than 100 µg/mL.</p> <p>Dissolve the lyophilized protein in ddH₂O.</p> <p>Please aliquot the reconstituted solution to minimize freeze-thaw cycles.</p>
Buffer:	Lyophilized from a 0.2 µm filtered solution of 20 mM PB, 150 mM NaCl, pH 7.2.
Handling Advice:	Always centrifuge tubes before opening. Do not mix by vortex or pipetting.
Storage:	4 °C/-20 °C/-80 °C
Storage Comment:	<p>Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks.</p> <p>Reconstituted protein solution can be stored at 4-7°C for 2-7 days.</p> <p>Aliquots of reconstituted samples are stable at < -20°C for 3 months.</p>
Expiry Date:	3 months