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## Product Data Sheet

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Product Name: DLK1 Human, HEK  
 Cat. No.: GP23320  
 Batch No.: 1

### Product Data

Purity	>98%	Source	HEK293 Cells.
Physical Appearance	solid	Shipping Condition	Shipped at Room temp.
Synonyms	DLK1; Delta-Like 1 Homolog (Drosophila); PREF1; DLK-1; FA1; DLK; PG2; Delta-Like Homolog (Drosophila); Protein Delta Homolog 1; Preadipocyte Factor 1; Fetal Antigen 1; Secredeltin; DELTA1; Pref-1; ZOG.		
Amino Acid Sequence	AECFPACNPQ NGFCEDDNVC RCQPGWQGPL CDQCVTSPGC LHGLCGEPGQ CICTDGWDGE LCDRDVRACS SAPCANNRTC VSLDDGLYEC SCAPGYSGKD CQKKDGPCVI NGSPCQHGGT CVDDEGRASH ASCLCPPGFS GNFCEIVANS CTPNPCENDG VCTDIGGDFR CRCPAGFIDK TCSRPTVNCA SSPCQNGGTC LQHTQVSYEC LCKPEFTGLT CVKKRALSPQ QVTRLPSGYG LAYRLTPGVH ELPVQQPEHR ILKVSMKELN KKTPLLTEGQ HHHHHHHHHH.		
Solubility	It is recommended to add 200µl deionized water to prepare a working stock solution of approximately 0.5mg/ml and let the lyophilized pellet dissolve completely. DLK1 is not sterile! Please filter the product by an appropriate sterile filter before using it in the cell culture.		
Formulation	DLK1 filtered (0.4 µm) and lyophilized from 0.5mg/ml in PBS and 5% w/v trehalose, pH7.4		

### Introduction

Delta-Like 1, also known as DLK1 is a member of the Notch/Delta/Serrate family of epidermal growth factor (EGF)-like repeat-containing proteins which act as ligands in the Notch signaling pathway. Furthermore, DLK1 has six highly conserved epidermal-growth-factor motifs and it also contains up to ten O-glycosylation and N-glycosylation locations, six of them are differentially glycosylated.

### Stability

Store lyophilized protein at -20°C . Aliquot the product after reconstitution to avoid

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repeated freezing/thawing cycles. Reconstituted protein can be stored at 4°C for a limited period of time; it does not show any change after two weeks at 4°C .

### Background

DLK1 Human Recombinant produced in HEK293 Cells is a single, glycosylated, polypeptide chain (a.a 24-303) containing 290 amino acids including a 10 a.a C-terminal His tag. The total molecular mass is 31.2kDa (calculated).

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