
Product Data Sheet

Product Name: DLK1 Human
 Cat. No.: GP23319
 Batch No.: 1

Product Data

Purity	>98%	Source	Sf9, Baculovirus cells.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
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 SAPCANNGTC VSLDDGLYEC SCAPGYSGKD CQKKDGPCVI NGSPCQHGGT CVDDEGRASH ASCLCPPGFS GNFCEIVANS CTPNPCENDG VCTDIGGDFR CRCPAGFIDK TCSRPTVNCA SSPCQNGGTC LQHTQVSYEC LCKPEFTGLT CVKKRALSPQ QVTRLPSGYG LAYRLTPGVH ELPVQQPEHR ILKVSMKELN KKTPLLTEGQ LEHHHHHH.		
Formulation	DLK1 protein solution (0.25mg/ml) containing Phosphate Buffered Saline (pH7.4) and 10% glycerol.		

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 at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Background

DLK1 Human Recombinant produced in Sf9 Baculovirus cells is a single, glycosylated

Caution: Product has not been fully validated for medical applications. For research use only.

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polypeptide chain containing 288 amino acids (24-303 a.a) and having a molecular mass of 30.7kDa (Migrates at 28-40kDa on SDS-PAGE under reducing conditions). DLK1 is fused to an 8 amino acid His-tag at C-terminus & purified by proprietary chromatographic techniques.

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