

Recombinant Full Length Human DLK1 Protein, GST-tagged

Cat. No. DLK1-3992HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human DLK1 full-length ORF (AAH07741.1, 25 a.a. - 383 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	25-383 amino acids
Description	This gene encodes a transmembrane protein that contains multiple epidermal growth factor repeats that functions as a regulator of cell growth. The encoded protein is involved in the differentiation of several cell types including adipocytes. This gene is located in a region of chromosome 14 frequently showing unparental disomy, and is imprinted and expressed from the paternal allele. A single nucleotide variant in this gene is associated with child and adolescent obesity and shows polar overdominance, where heterozygotes carrying an active paternal allele express the phenotype, while mutant homozygotes are normal. [provided by RefSeq, Nov 2015]
Molecular Mass	65.23 kDa
AA Sequence	ECFPACNPQNGFCEDDNVCRCQPGWQGGLCDQCVTSPGCLHGLCGEPGQCICTD GWDGELCDRDVRACSSAPCANNGTCVSLDDGLYECRAPGYSGKDCQKKDGPCV INGSPCQHGGTCVDDEGRASHASCLCPPGFSGNFCEIVANSCTPNPCENDGVCTDI GGDFRCRCPAGFIDKTCSRPTNCASSPCQNGGTCLQHTQVSYECLCKPEFTGLT CVKKRALSPQQVTRLPNGYGLAYRLTPGVHELPVQQPEHRILKVSMEKLNKKTPLL

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

	EGQAICFTILGVLTSLVVLGTVGIVFLNKCETWVSNLRYNHMLRKKKNLLLQYNSGED LAVNIIFPEKIDMTTFSKEAGDEEI
Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name	DLK1 delta-like 1 homolog (Drosophila) [Homo sapiens]
Official Symbol	DLK1
Synonyms	DLK1; delta-like 1 homolog (Drosophila); delta like homolog (Drosophila); protein delta homolog 1; Delta1; FA1; pG2; Pref 1; ZOG; DLK-1; secredelin; fetal antigen 1; preadipocyte factor 1; DLK; PREF1; Pref-1;
Gene ID	8788
mRNA Refseq	NM_003836
Protein Refseq	NP_003827
MIM	176290

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UniProt ID

P80370

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