

## Product datasheet for **TP720389XL**

### **DLK (DLK1) (NM\_003836) Human Recombinant Protein**

#### **Product data:**

<b>Product Type:</b>	Recombinant Proteins
<b>Description:</b>	Recombinant protein of human delta-like 1 homolog (Drosophila) (DLK1)
<b>Species:</b>	Human
<b>Expression Host:</b>	HEK293
<b>Expression cDNA Clone or AA Sequence:</b>	Ala24-Pro297
<b>Tag:</b>	C-His
<b>Predicted MW:</b>	30.1 kDa
<b>Concentration:</b>	lot specific
<b>Purity:</b>	>95% as determined by SDS-PAGE and Coomassie blue staining
<b>Buffer:</b>	Provided lyophilized from a 0.2 µm filtered solution of 20 mM Tris-HCl, 150 mM NaCl
<b>Endotoxin:</b>	< 0.1 EU per µg protein as determined by LAL test
<b>Reconstitution Method:</b>	Always centrifuge tubes before opening. Do not mix by vortex or pipetting. Dissolve the lyophilized protein in ddH <sub>2</sub> O. It is not recommended to reconstitute a concentration less than 100 µg/ml. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.
<b>Storage:</b>	Store at -80°C.
<b>Stability:</b>	Stable for at least 6 months from date of receipt under proper storage and handling conditions.
<b>RefSeq:</b>	<a href="#">NP_003827</a>
<b>Locus ID:</b>	8788
<b>UniProt ID:</b>	<a href="#">P80370</a> , <a href="#">A0A024R6L1</a> , <a href="#">A8K019</a>
<b>Cytogenetics:</b>	14q32.2
<b>Synonyms:</b>	Delta1; DLK; DLK-1; FA1; pG2; Pref-1; PREF1; ZOG



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**Summary:**

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 uniparental 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]

**Protein Families:**

Druggable Genome, ES Cell Differentiation/IPS, Transmembrane

**Product images:**