

# Product Information

## MemDX™ Membrane Protein Human DLK1 (Delta like non-canonical Notch ligand 1) for Antibody Discovery

Cat. No.: **MP0302X**

This product is for research use only and is not intended for diagnostic use.

This product is a 65.23 kDa Human DLK1 membrane protein expressed in *in vitro* wheat germ expression system. The protein is for research use only and is not approved for use in humans or in clinical diagnosis.

### Product Specifications

#### Host Species

Human

#### Target Protein

DLK1

#### Protein Length

Full-length

#### Molecular Weight

65.23 kDa

#### TMD

1

#### Sequence

ECFPACNPQNGFCEDDNVCRCQPGWQGPLCDQCVTSPGCLHGLCGEPGQCICTDGWDGELCDRDVRACSSAPCANNGTCSL

### Product Description

#### Application

Enzyme-linked Immunoabsorbent Assay, Western Blot (Recombinant protein), Antibody Production, Protein Array

#### Expression Systems

*in vitro* wheat germ expression system

#### Tag

GST-tag at N-terminal

#### Form

Liquid

#### Purification

Glutathione Sepharose 4 Fast Flow

**Buffer**

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer

**Storage**

Store at +4°C for up to one week or several months at -80°C

**Target****Target Protein**

DLK1

**Full Name**

Delta like non-canonical Notch ligand 1

**Introduction**

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

**Alternative Names**

DLK; FA1; PREF1; Pref-1; ZOG; pG2; delta-like 1 homolog; delta-like homolog; secredelin

**Gene ID**

[8788](#)

**UniProt ID**

[P80370](#)