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Product Information

MemDX™ Membrane Protein Human DLK1 (Delta like non-canonical Notch ligand 1 expressed in HEK293T) for Antibody Discovery

Cat. No.: **MP1202J**
This product is for research use only and is not intended for diagnostic use.

This product is a 38.7 kDa Human DLK1 membrane protein expressed in HEK293T. 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

Protein Class
Druggable Genome, ES Cell Differentiation/IPS, Transmembrane

Molecular Weight
38.7 kDa

TMD
1

Sequence
MTATEALLRVLLLLLAFGHSTYGAECFPACNPQNGFCEDDNVCRCQPGWQGPLCDQCVTSPGCLHGLCGE
PGQCICTDGWDGELCDRDVRACSSAPCANNGTCVSLDDGLYECSCAPGYSGKDCQKKDGPCVINGSPCQH
GGTCVDDEGRASHASCLCPPGFSGNFCEIVANSCTPNPCENDGVCTDIGGDFRCRCPAGFIDKTCSRPVT
NCASSPCQNGGTCLQHTQVSYECLCKPEFTGLTCVKKRALSPQQVTRLPNGYGLAYRLTPGVHELPVQQP
EHRILKVSMKELNKKTPLLTEGQAICFTILGVLTSLVVLGTVGIVFLNKCETWVSNLRYNHMLRKKKNLL
LQYNSGEDLAVNIIFPEKIDMTTFSKEAGDEEI

Product Description

Expression Systems
HEK293T

Tag
C-Myc/DDK

Form

Liquid

Purification

Anti-DDK affinity column followed by conventional chromatography steps

Purity

> 80% as determined by SDS-PAGE and Coomassie blue staining

Buffer

25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol

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

Delta1; DLK; DLK-1; FA1; pG2; Pref-1; PREF1; ZOG

Gene ID

8788

UniProt ID

P80370

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