HUMAN DLK1 PROTEIN, HIS TAG

Cat.#: 11811

Product Name: Human DLK1 Protein

Size : 10 μg, 50 μg and 100 μg

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

Target: DLK1

UNIPROT ID: P80370

Description: Recombinant human DLK1 protein with C-terminal 6xHis tag

Background: 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]

Species/Host: HEK293

Molecular Weight: The protein has a predicted molecular mass of 30.6 kDa after removal of the signal peptide. The apparent molecular mass of DLK1-His is approximately 35-55 kDa due to glycosylation.

Molecular Characterization: DLK1(Ala24-Gln303) 6×His tag

Purity: The purity of the protein is greater than 85% as determined by SDS-PAGE and Coomassie blue staining.

Formulation & Reconstitution: Lyophilized from nanodisc solubilization buffer (20 mM Tris-HCl, 150 mM NaCl, pH 8.0). Normally 5% – 8% trehalose is added as protectants before lyophilization.

Storage & Shipping: Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.

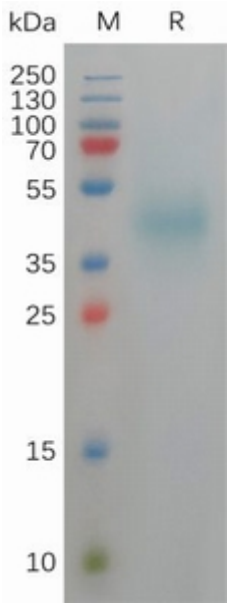

Figure 1. Human DLK1 Protein, His Tag on SDS-PAGE under reducing condition.