PRODUCT INFORMATION

Target	DLK1
Synonyms	Delta1;DLK;DLK-1;FA1;pG2;Pref-1;PREF1;ZOG
Description	Recombinant human DLK1 protein with C-terminal 6×His tag
Delivery	In Stock
Uniprot ID	P80370
Expression Host	HEK293
Tag	C-6×His Tag
Molecular Characterization	DLK1(Ala24-Gln303) 6×His tag
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.
Purity	The purity of the protein is greater than 85% as determined by SDS-PAGE and Coomassie blue staining.
Formulation & Reconstitution	Lyophilized from sterile PBS, pH 7.4. Normally 5 % – 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis for specific instructions of reconstitution.
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.
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]
Usage	Research use only
Conjugate	Unconjugated

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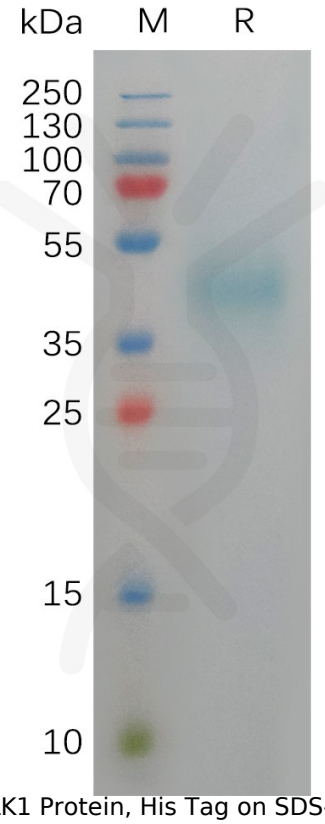


Figure 1. Human DLK1 Protein, His Tag on SDS-PAGE under reducing condition.

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