

**Catalog No.: RP02871** **Recombinant**

Species	Gene ID	Swiss Prot
Mouse	13386	O09163

## C-His

pG2; FA1; DLK; DLK1; DLK-1; Pref1;  
secredeltin; ZOG

<b>Source</b>	<b>Purification</b>
HEK293 cells	≥ 95 % as determined by SDS-PAGE. ≥ 95 % as determined by HPLC.

## 30.9 kDa 50-68 kDa

< 1 EU/μg of the protein by LAL method.

Lyophilized from a 0.22  $\mu\text{m}$  filtered solution of PBS, pH 7.4.

Centrifuge the tube before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

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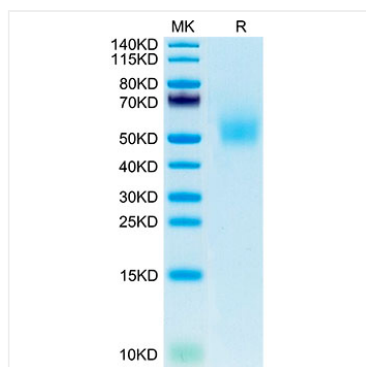
paternally inherited genetic defects of DLK1 were identified in four families with nonsyndromic CPP and a metabolic phenotype. DLK1 encodes a transmembrane protein that is important for adipose tissue homeostasis and neurogenesis and is located in the imprinted chromosome 14q32 region associated with Temple syndrome.

Recombinant Mouse DLK1 Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Ala24-Gln305) of Mouse DLK1 (Accession #NP\_034182.2) fused with 6×His tag at the C-terminus.

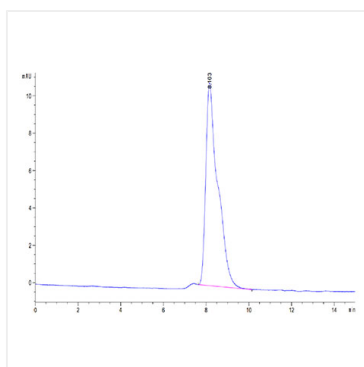
Store at -20°C. Store the lyophilized protein at -20°C to -80 °C up to 1 year from the date of receipt.

After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.  
Avoid repeated freeze/thaw cycles.

## Validation Data



Recombinant Mouse DLK1 Protein was determined by Tris-Bis PAGE under reducing conditions.



The purity of Mouse DLK1 is greater than 95% as determined by SEC-HPLC.