

Recombinant Mouse DLK-1 Protein

Catalog No.: RP02871 **Recombinant**

Sequence Information

| Species | Gene ID | Swiss Prot |
|---------|---------|------------|
| Mouse | 13386 | Q09163 |

Tags

C-His

Synonyms

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

Product Information

| Source | Purification |
|--------------|------------------------------|
| HEK293 cells | > 95% as determined by HPLC. |

Endotoxin

<1EU/μg

Formulation

Lyophilized from a 0.22 μm filtered solution of PBS, pH 7.4.

Reconstitution

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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Background

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.

Basic Information

Description

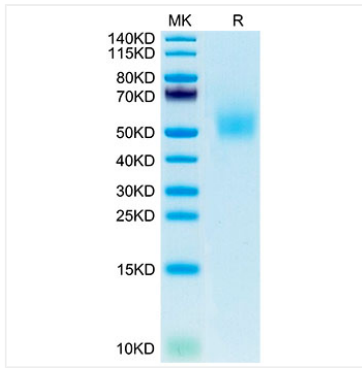
Recombinant Mouse DLK-1 Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Ala24-Gln305) of mouse DLK-1 (Accession #NP_034182.2) fused with 6×His tag at the C-terminus.

Bio-Activity

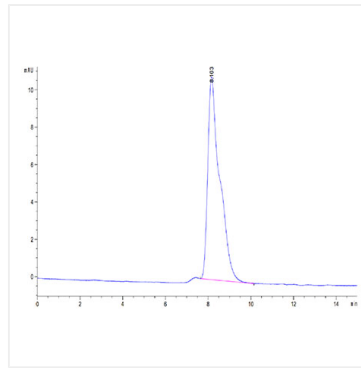
Storage

Store the lyophilized protein at -20°C to -80°C for 12 months. 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



Mouse DLK1 on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.



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