

Active Recombinant Mouse Dlk1 protein, His-tagged

Cat. No. Dlk1-216M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Dlk1(Ala24-Gln305) fused with His tag at C-terminal was expressed in NS0.
Species	Mouse
Source	Mammalian Cells
ProteinLength	Ala24-Gln305
Predicted N Terminal	Ala24
Form	Lyophilized from a 0.2 µm filtered solution in PBS.
Bio-activity	Measured by its ability to inhibit adipocyte differentiation of mouse 3T3-L1 mouse embryonic fibroblast adipose-like cells. Smas, C.M. et al. (1993) Cell 73:725. Recombinant Mouse Pref-1/DLK1/FA1 at 2.5 µg/mL will inhibit adipocyte differentiation by more than 50%.
Molecular Mass	Predicted Molecular Mass: 31 kDa;SDS-PAGE: 49-66 kDa, reducing conditions.
Endotoxin	<0.10 EU per 1 µg of the protein by the LAL method.
Purity	>95%, by SDS-PAGE with silver staining
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles.12 months from

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date of receipt, -20 to -70 centigrade as supplied.1 month, 2 to 8 centigrade under sterile conditions after reconstitution.3 months, -20 to -70 centigrade under sterile conditions after reconstitution.

Reconstitution Reconstitute at 250 µg/mL in PBS.

Shipping The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.

GENE INFORMATION

Gene Name [Dlk1 delta-like 1 homolog \(Drosophila\) \[Mus musculus \]](#)

Official Symbol [Dlk1](#)

Synonyms DLK1; delta-like 1 homolog (Drosophila); protein delta homolog 1; fetal antigen 1; preadipocyte factor 1; stromal cell derived protein 1; adipocyte differentiation inhibitor protein; FA1; ZOG; pG2; Dkl; Peg9; SCP1; DLK-1; Ly107; pref-1; AW742678;

Gene ID [13386](#)

mRNA Refseq [NM_001190703](#)

Protein Refseq [NP_001177632](#)

MIM

UniProt ID

Chromosome Location 12 60.17 cM; 12 E-F1

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Pathway	Adipogenesis, organism-specific biosystem;
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Function	calcium ion binding;
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