

Synonym

DLK1,FA1,Protein delta homolog 1,Pg2,Fetal antigen 1

SourceHuman DLK1, His Tag(DK1-H52H3) is expressed from human 293 cells (HEK293). It contains AA Ala 24 - Gly 303 (Accession # [P80370-1](#)).

Predicted N-terminus: Ala 24

Molecular Characterization

DLK1(Ala 24 - Gly 303) P80370-1	Poly-his
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This protein carries a polyhistidine tag at the C-terminus

The protein has a calculated MW of 31.7 kDa. The protein migrates as 40-50 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.

Endotoxin

Less than 1.0 EU per µg by the LAL method.

Purity

>90% as determined by SDS-PAGE.

>90% as determined by SEC-MALS.

Formulation

Lyophilized from 0.22 µm filtered solution in PBS, pH7.4 with trehalose as protectant.

Contact us for customized product form or formulation.

Reconstitution

Please see Certificate of Analysis for specific instructions.

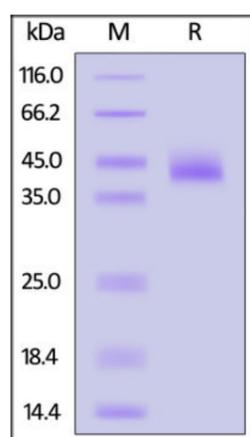
*For best performance, we strongly recommend you to follow the reconstitution protocol provided in the CoA.***Storage**

For long term storage, the product should be stored at lyophilized state at -20°C or lower.

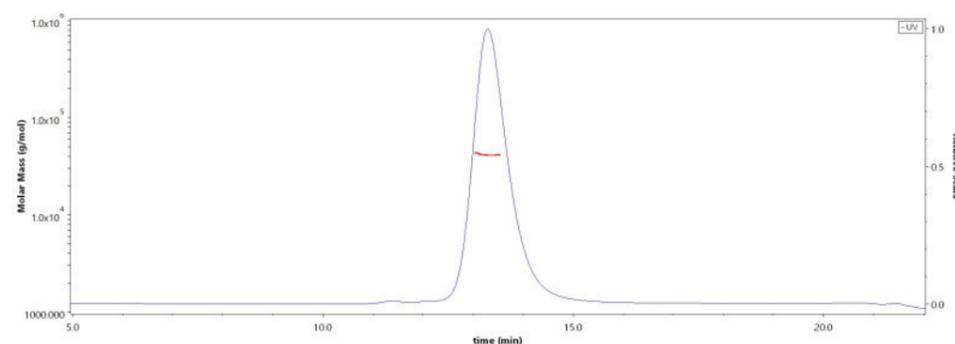
Please avoid repeated freeze-thaw cycles.

This product is stable after storage at:

- -20°C to -70°C for 12 months in lyophilized state;
- -70°C for 3 months under sterile conditions after reconstitution.

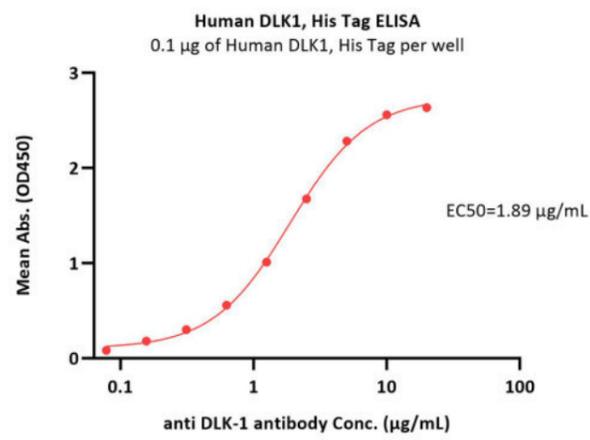
SDS-PAGE

Human DLK1, His Tag on SDS-PAGE under reducing (R) condition. The gel was stained overnight with Coomassie Blue. The purity of the protein is greater than 90%.

Bioactivity-ELISA**SEC-MALS**

The purity of Human DLK1, His Tag (Cat. No. DK1-H52H3) is more than 90% and the molecular weight of this protein is around 34-51 kDa verified by SEC-MALS.

[Report](#)



Immobilized Human DLK1, His Tag (Cat. No. DK1-H52H3) at 1 µg/mL (100 µL/well) can bind anti DLK-1 antibody with a linear range of 0.078-5 µg/mL (QC tested).

Background

Protein delta homolog 1 is a protein that in humans is encoded by the DLK1 gene. It is expressed as a transmembrane protein, but a soluble form cleaved off by ADAM17 is active in inhibiting adipogenesis, the differentiation of pre-adipocytes into adipocytes.

Clinical and Translational Updates

Please contact us via TechSupport@acrobiosystems.com if you have any question on this product.