

## Product datasheet

# Recombinant Mouse DLK-1 protein (Fc fragment) ab108574

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### Description

<b>Product name</b>	Recombinant Mouse DLK-1 protein (Fc fragment)
<b>Biological activity</b>	Inhibits adipogenesis of 3T3L-1 cells. Induces Sox-9 in 3T3L-1 cells.
<b>Purity</b>	> 90 % SDS-PAGE. ab108574 is 0.2µm filtered
<b>Endotoxin level</b>	< 0.100 Eu/µg
<b>Expression system</b>	HEK 293 cells
<b>Accession</b>	<b><u>Q09163</u></b>
<b>Protein length</b>	Protein fragment
<b>Animal free</b>	No
<b>Nature</b>	Recombinant
<b>Species</b>	Mouse
<b>Predicted molecular weight</b>	75 kDa
<b>Amino acids</b>	1 to 305
<b>Additional sequence information</b>	Fused with the Fc region of Human IgG1 at the C-terminus.

### Specifications

Our **Abpromise guarantee** covers the use of **ab108574** in the following tested applications.

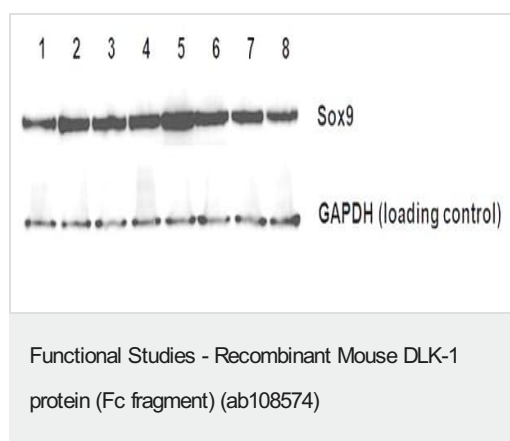
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

<b>Applications</b>	Functional Studies SDS-PAGE
<b>Form</b>	Lyophilized
<b>Additional notes</b>	Working aliquots are stable for up to 3 months when stored at -20°C. Inhibits adipogenesis of 3T3L-1 cells. Induces Sox-9 in 3T3L-1 cells.

### Preparation and Storage

<b>Stability and Storage</b>	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles. Constituent: PBS
<b>Reconstitution</b>	Reconstitute with 100µl sterile water.
<b>General Info</b>	
<b>Function</b>	May have a role in neuroendocrine differentiation.
<b>Tissue specificity</b>	Found within the stromal cells in close contact to the vascular structure of placental villi, yolk sac, fetal liver, adrenal cortex and pancreas and in the beta cells of the islets of Langerhans in the adult pancreas. Found also in some forms of neuroendocrine lung tumor tissue.
<b>Sequence similarities</b>	Contains 6 EGF-like domains.
<b>Post-translational modifications</b>	N- and O-glycosylated.
<b>Cellular localization</b>	Membrane.

## Images



Induction of SOX-9 with the treatment of recombinant mouse DLK-1-Fc (ab108574).

A mouse preadipocyte cell line, 3T3L1, was stimulated with 5µg/ml of ab108574 as in indicated time points and each cell lysate was prepared and subjected to western blot by using anti-rabbit Sox-9 and anti-rabbit GAPDH.

1=0 min; 2=10 min; 3=30 min; 4=1 h; 5=2 h; 6=3 h; 7=4 h; 8=24 h.

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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