

## Recombinant Mouse DKK1 Protein (His Tag)

**Catalog Number:** PDMM100011

**Note:** *Centrifuge before opening to ensure complete recovery of vial contents.*

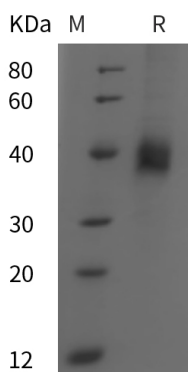
### Description

<b>Species</b>	Mouse
<b>Source</b>	Mammalian-derived Mouse DKK1 protein Met1-His272, with an C-terminal His
<b>Calculated MW</b>	29.8 kDa
<b>Observed MW</b>	40 kDa
<b>Accession</b>	O54908
<b>Bio-activity</b>	Not validated for activity

### Properties

<b>Purity</b>	> 95% as determined by reducing SDS-PAGE.
<b>Endotoxin</b>	< 1.0 EU/mg of the protein as determined by the LAL method
<b>Storage</b>	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
<b>Shipping</b>	This product is provided as lyophilized powder which is shipped with ice packs.
<b>Formulation</b>	Lyophilized from a 0.2 µm filtered solution in PBS with 5% Trehalose and 5% Mannitol.
<b>Reconstitution</b>	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.5 mg/mL. Concentration is measured by UV-Vis.

### Data



SDS-PAGE analysis of Mouse DKK1 proteins, 2 µg/lane of Recombinant Mouse DKK1 proteins was resolved with SDS-PAGE under reducing conditions, showing bands at 40 kDa.

### Background

Antagonizes canonical Wnt signaling by inhibiting LRP5/6 interaction with Wnt and by forming a ternary complex with the transmembrane protein KREMEN that promotes internalization of LRP5/6. Inhibits the pro-apoptotic function of KREMEN1 in a Wnt-independent manner, and has anti-apoptotic activity. Plays a role in limb development, attenuates Wnt signaling in the developing limb to allow normal limb patterning.

### For Research Use Only

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