

# Mouse PK-1/PROK1 Protein

Cat. No. PK1-MM201

## Description

<b>Source</b>	Recombinant Mouse PK-1/PROK1 Protein is expressed from HEK293 with hFc tag at the C-Terminus. It contains Ala20-Phe105.
<b>Accession</b>	Q14A28-1
<b>Molecular Weight</b>	The protein has a predicted MW of 36.4 kDa. Due to glycosylation, the protein migrates to 38-48 kDa based on Bis-Tris PAGE result.
<b>Endotoxin</b>	Less than 1EU per $\mu$ g by the LAL method.
<b>Purity</b>	> 95% as determined by Bis-Tris PAGE

## Formulation and Storage

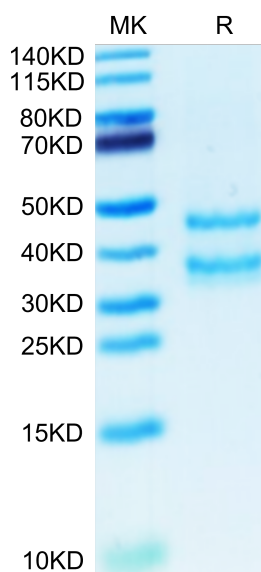
<b>Formulation</b>	Supplied as 0.22 $\mu$ m filtered solution in PBS (pH 7.4).
<b>Storage</b>	Valid for 12 months from date of receipt when stored at -80°C. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

## Background

PK-1 (Ac10) is a baculovirus-encoded serine/threonine kinase, a pk-1 knockout AcMNPV failed to produce infectious progeny, while the pk-1 repair virus could rescue this defect. The kinase activity of PK-1 is essential in regulating viral propagation. Electron microscopy revealed that pk-1 deletion affected the formation of normal nucleocapsids. PK-1 appears to phosphorylate some viral or cellular proteins that are essential for DNA packaging to regulate nucleocapsid assembly.

## Assay Data

### Bis-Tris PAGE



Mouse PK-1/PROK1 on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.