

Recombinant Mouse Prkx Protein, Myc/DDK-tagged

Cat. No. Prkx-5129M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length protein kinase, X-linked (Prkx), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Serine/threonine protein kinase regulated by and mediating cAMP signaling in cells. Acts through phosphorylation of downstream targets that may include CREB, SMAD6 and PKD1 and has multiple functions in cellular differentiation and epithelial morphogenesis. Regulates myeloid cell differentiation through SMAD6 phosphorylation. Involved in nephrogenesis by stimulating renal epithelial cell migration and tubulogenesis. Also involved in angiogenesis through stimulation of endothelial cell proliferation, migration and vascular-like structure formation.
Molecular Mass	40.5 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade after receiving vials.
Concentration	>50 µg/mL as determined by microplate BCA method

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Storage Buffer 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

GENE INFORMATION

Gene Name Prkx protein kinase, X-linked [*Mus musculus* (house mouse)]

Official Symbol Prkx

Synonyms PRKX; protein kinase, X-linked; cAMP-dependent protein kinase catalytic subunit
PRKX; protein kinase X; protein kinase X-linked; PKA-related protein kinase; putative
serine/threonine kinase; serine/threonine-protein kinase PRKX; PKX1; Pkare

Gene ID 19108

mRNA Refseq NM_016979

Protein Refseq NP_058675

UniProt ID Q922R0

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