

## Product datasheet for **TP505408**

### Prkx (NM\_016979) Mouse Recombinant Protein

#### Product data:

**Product Type:** Recombinant Proteins

**Description:** Purified recombinant protein of Mouse protein kinase, X-linked (Prkx), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug

**Species:** Mouse

**Expression Host:** HEK293T

**Expression cDNA Clone or AA Sequence:** >MR205408 protein sequence  
**Red**=Cloning site **Green**=Tags(s)

MEPPAGAAATVKDPDHPVKTkVSAPAADPKPRTSSQKAGHSLQDWDTIATVGTGTGFRVNLVKEKTGRQ  
YCALKIMSIPDVIRLKQEQHVQNEKAVLKEINHPFLIKLLWTGHDNRFLYMLMEFVPGGELFTYLRNRGR  
FSSVASVFYATEIVCAIEYLHSKEIVYRDLKPENILLDREGHIKLTDFGFAKKLVDRWTLCGTPEYLAP  
EVIQSKGHGRAVDWWALGILIFEMLSGFPPFFDDNPFGIYQKILACKIDFPRQLDFTSKDLIKLLVDR  
TRRLGNMKNGAEDIKRHRWFRGVEWESVPQRKLKPPIVPKLSGDGDISNFETYPESELKTPSVSDKDL  
TFKNF

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

**Tag:** C-MYC/DDK

**Predicted MW:** 40.5 kDa

**Concentration:** >0.05 µg/µL as determined by microplate BCA method

**Purity:** > 80% as determined by SDS-PAGE and Coomassie blue staining

**Buffer:** 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol

**Note:** For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.

**Storage:** Store at -80°C after receiving vials.

**Stability:** Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.

**RefSeq:** [NP\\_058675](#)

**Locus ID:** 19108

**UniProt ID:** [Q922R0](#)



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RefSeq Size: 3217

Cytogenetics: X B

RefSeq ORF: 1068

Synonyms: Pkare; PKX1

**Summary:** 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.[UniProtKB/Swiss-Prot Function]