

Product datasheet for **TP308332**

PRKX (NM_005044) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human protein kinase, X-linked (PRKX), 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA	>RC208332 protein sequence
Clone or AA Sequence:	Red=Cloning site Green=Tags(s)

MEAPGLAQAAAAESDSRKVAEETPDGAPALCPSPEALSPEPPVYSLQDFDTLATVGTGTGFRVHLVKEKT
AKHFFALKVMSIPDVIRLKQEQHVHNEKSVLKEVSHPFLLRFLFWTWHDERFLYMLMEYVPGGELFSYLRN
RGRFSSTTGLFYSAEIIICAEYLSKEIVYRDLKPENILLDRDGHIKLTDGFGAKKLVDRWTLCGTPEY
LAPEVIQSKGHGRAVDWWALGILIFEMLSGFPPFFDDNPFGIYQKILAGKIDFPRHLDFHVKDLIKLLV
VDRTRRLGNMKNKNGANDVKHHRWFRSVDWEAVPQRKLPPIVPKIAGDGDTSNFETYPENDWDTAAPVPQK
DLEIFKNF

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Predicted MW:	40.7 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
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
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.
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:	<u>NP_005035</u>
Locus ID:	5613



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UniProt ID: [P51817](#), [A0A024RBU5](#)

RefSeq Size: 6084

Cytogenetics: Xp22.33

RefSeq ORF: 1074

Synonyms: PKX1

Summary: This gene encodes a serine threonine protein kinase that has similarity to the catalytic subunit of cyclic AMP dependent protein kinases. The encoded protein is developmentally regulated and may be involved in renal epithelial morphogenesis. This protein may also be involved in macrophage and granulocyte maturation. Abnormal recombination between this gene and a related pseudogene on chromosome Y is a frequent cause of sex reversal disorder in XX males and XY females. Pseudogenes of this gene are found on chromosomes X, 15 and Y. [provided by RefSeq, Feb 2010]

Protein Families: Druggable Genome, Protein Kinase

Protein Pathways: Apoptosis, Calcium signaling pathway, Chemokine signaling pathway, Dilated cardiomyopathy, Gap junction, GnRH signaling pathway, Hedgehog signaling pathway, Insulin signaling pathway, Long-term potentiation, MAPK signaling pathway, Melanogenesis, Olfactory transduction, Oocyte meiosis, Prion diseases, Progesterone-mediated oocyte maturation, Taste transduction, Vascular smooth muscle contraction, Vibrio cholerae infection, Wnt signaling pathway

Product images:



Coomassie blue staining of purified PRKX protein (Cat# TP308332). The protein was produced from HEK293T cells transfected with PRKX cDNA clone (Cat# [RC208332]) using MegaTran 2.0 (Cat# [TT210002]).