

## Product datasheet for PH308332

### PRKX (NM\_005044) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	PRKX MS Standard C13 and N15-labeled recombinant protein (NP_005035)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC208332
Predicted MW:	40.9 kDa
Protein Sequence:	>RC208332 protein sequence Red=Cloning site Green=Tags(s)
	MEAPGLAQAAAAESDRKVAEETPDGAPALCPSPEALSPEPPVYSLQDFDTLATVGTGTFGRVHLVKEKT AKHFFALKVMSIPDVIRLKQEQHVNHEKSVLKEVSHPFILRLFWTWHDERFLYMLMEYVPGGELFSYLRN RGRFSSTTGLFYSAEIIICAIEYLHSKEIVYRDLKPENILLDRDGHIKLTDFGFAKKLVDRTWLTCGTPEY LAPEVIQSKGHGRAVDWWALGILIFEMLSGFPPFFDDNPFGIYQKILAGKIDFPRHLDFHVKDLIKLLV VDRTRRLGNMKNKANDVKHHRWFRSVDWEAVPQRKLPPIVPKIAGDGDTSNFETYPENDWDTAAPVPQK DLEIFKNF
	TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>4</sub> ]-L-Arginine and [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>2</sub> ]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<a href="#">NP_005035</a>
RefSeq Size:	6084
RefSeq ORF:	1074
Synonyms:	PKX1
Locus ID:	5613



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

Cytogenetics: Xp22.33

**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]).