

Recombinant Human PRKX

Cat. No. PRKX-30107TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant fragment of Human PRKX with N terminal proprietary tag, 35.53 kDa.
Species	Human
Source	Wheat Germ
ProteinLength	90 amino acids
Description	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.
Molecular Weight	35.530kDa inclusive of tags
Tissue specificity	High levels in adult and fetal brain, kidney and lung; low levels in adult placenta, heart, liver, skeletal muscle, pancreas and fetal liver.
Form	Liquid
Purity	Proprietary Purification

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Storage buffer	pH: 8.00Constituents:0.3% Glutathione, 0.79% Tris HCl
Storage	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
Sequences of amino acids	FHVKDLIKLLVVDRTRLGNMKN GandVKHHRWFRSVDWEAVPQRKLKPPIVPKI AGDGDTSNFETYPENDWDTAAPVPQKDLEIFKNF
Sequence Similarities	Belongs to the protein kinase superfamily. AGC Ser/Thr protein kinase family. cAMP subfamily.Contains 1 AGC-kinase C-terminal domain.Contains 1 protein kinase domain.
GENE INFORMATION	
Gene Name	PRKX protein kinase, X-linked [Homo sapiens]
Official Symbol	PRKX
Synonyms	PRKX; protein kinase, X-linked; cAMP-dependent protein kinase catalytic subunit PRKX; PKX1;
Gene ID	5613
mRNA Refseq	NM_005044
Protein Refseq	NP_005035
MIM	300083
Uniprot ID	P51817

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Chromosome Location	Xp22.3
Pathway	Amoebiasis, organism-specific biosystem; Amoebiasis, conserved biosystem; Apoptosis, organism-specific biosystem; Apoptosis, conserved biosystem; Bile secretion, organism-specific biosystem;
Function	ATP binding; cAMP-dependent protein kinase activity; nucleotide binding; protein binding; protein serine/threonine kinase activity;

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