

Recombinant Human PRKX Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. PRKX-749H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	PRKX MS Standard C13 and N15-labeled recombinant protein (NP_005035) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	<p>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.</p> <p>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.</p>
Molecular Mass	40.9 kDa
AA Sequence	<pre>MEAPGLAQAAAAESDSRKVAEETPDGAPALCPSPEALSPEPPVYSLQDFDTLATVG TGTFGRVHLVKEKTAKHFFALKVMSIPDVIRLKQEQHVHNEKSVLKEVSHPFILRLFW TWHDERFLYMLMEYVPGGELFSYLRNRGRFSSTTGLFYSAEIIICAIEYLHSKEIVYRD LKPENILLDRDGHIKLTDFGFAKKLVDRTWTLCGTPEYLAPEVIQSKGHGRAVDWWA LGILIFEMLSGFPPFFDDNPFGIYQKILAGKIDFPRHLDFHVKDLIKLLVDRTRRLGN MKN GandVKHHRWFRSVDWEAVPQRKLPPIVPKIAGDGDTSNFETYPENDWDTA</pre>

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APVPQKDLEIFKNFTRTRPLEQKLISEEDLAANDILDYKDDDDKV

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

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name PRKX protein kinase X-linked [Homo sapiens (human)]

Official Symbol PRKX

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

Gene ID 5613

mRNA Refseq NM_005044

Protein Refseq NP_005035

MIM 300083

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UniProt ID

P51817

SDS-PAGE



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