

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

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

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | PRKX MS Standard C13 and N15-labeled recombinant protein (NP_005035) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Description</b>      | <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> |
| <b>Molecular Mass</b>   | 40.9 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>AA Sequence</b>      | MEAPGLAQAAAAESDSRKVAEETPDGAPALCPSPEALSPEPPVYSLQDFDTLATVG<br>TGTFGRVHLVKEKTAKHFFALKVMSIPDVIRLKQE QHVHNEKSVLKEVSHPFILRLFW<br>TWHDERFLYMLMEYVPGGELFSYLRNRGRFSSTTGLFYSAEIIICAIEYLHSKEIVYRD<br>LKPENILLDRDGHIKLTDFGFAKKLVDRTWTLCGTPEYLAPEVIQSKGHGRAVDWWA<br>LGILIFEMLSGFPPFFDDNPFGIYQKILAGKIDFPRHLDFHVKDLIKLLVVDRTTRRLGN<br>MKNGANDVKHHRWFRSVDWEAVPQRKLKPPIVPKIAGDGDTSNFETYPENDWDTA                                                                                                                                                                                        |

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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** Tel: 1-631-559-9269 1-516-512-3133 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127 45-1 Ramsey Road, Shirley, NY 11967, USA