

Recombinant Human PRKX Protein (M1-F358), Tag Free

Cat. No. PRKX-1100H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human PRKX(M1-F358 end) Protein was expressed in Insect cell.
Species	Human
Source	Insect Cells
ProteinLength	M1-F358
Description	Serine/threonine protein kinase regulated by and mediating cAMP signaling in cells. Acts through phosphorylation of downstream targets that may include CREB, SMAD6 and PKD1 and has multiple functions in cellular differentiation and epithelial morphogenesis. Regulates myeloid cell differentiation through SMAD6 phosphorylation. Involved in nephrogenesis by stimulating renal epithelial cell migration and tubulogenesis. Also involved in angiogenesis through stimulation of endothelial cell proliferation, migration and vascular-like structure formation.
Form	Liquid
Endotoxin	< 0.01 EU per µg of the protein
Purity	90%
Stability	Samples are stable for up to twelve months from date of receipt at -20 to -80 centigrade.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Storage	Store it under sterile conditions at -20 to -80 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Storage Buffer	Supplied as sterile 50 mM Tris-HCl (pH7.5), 200 mM NaCl, 20% glycerol
Shipping	It is shipped out with blue ice.

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
UniProt ID	P51817

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