

Recombinant Human PRKCQ protein, GST-tagged

Cat. No. PRKCQ-301488H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human PRKCQ protein(1-145 aa), fused with N-terminal GST tag, was expressed in E. coli.
Species	Human
Source	E. coli
ProteinLength	1-145 aa
Form	The purified protein was lyophilized from sterile phosphate-buffered saline (PBS: 58 mM Na ₂ HPO ₄ , 17 mM NaH ₂ PO ₄ , 68 mM NaCl, pH 8.0). Prior to lyophilization, 5% (w/v) trehalose and 5% (w/v) mannitol were incorporated as cryoprotective excipients. The protein was eluted with a buffer containing 100 mM reduced glutathione (GSH).
AASequence	MSPFLRIGLSNFDGSCQSCQGEAVNPYCAVLVKEYVESENGQMYIQKKPTMYPP WDSTFDAHINKGRVMQIIVKGKNVDLISETTVELYSLAERCCKNNGKTEIWLELKPQG RMLMNARYFLEMSDTKDMNEFETEGFFALHQR
Purity	85%, by SDS-PAGE.
Storage	Store at 2-8°C for 1-2 weeks. Aliquot and store at -20°C to -80°C for up to 3 months, reconstitution with sterile water and addition of an equal volume of glycerol. Avoid repeat freeze-thaw cycles.

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Reconstitution

It is recommended that sterile water be added to the vial to prepare a stock solution of 0.25 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

GENE INFORMATION

Gene Name	PRKCQ protein kinase C, theta [Homo sapiens]
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Official Symbol	PRKCQ
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Synonyms	PRKCQ; protein kinase C, theta; protein kinase C theta type; PRKCT; nPKC-theta; MGC126514; MGC141919;
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mRNA Refseq	NM_001242413
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Protein Refseq	NP_001229342
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MIM	600448
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UniProt ID	Q04759
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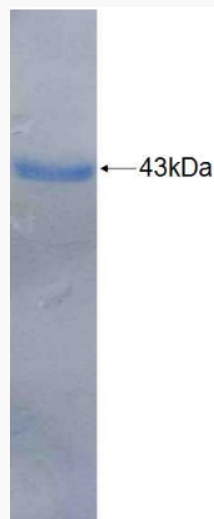
Gene ID	5588
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SDS-PAGE



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