

Recombinant Human PRKD1 protein, His & T7-tagged

Cat. No. PRKD1-2711H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human PRKD1 aa. (Thr651~Gln876 (Accession # Q15139)) fused with N-terminal His & T7 tag was produced in E. coli cells.
Species	Human
Source	E.coli
ProteinLength	Thr651~Gln876
Description	The protein encoded by this gene is a serine/threonine protein kinase involved in many cellular processes, including Golgi body membrane integrity and transport, cell migration and differentiation, MAPK8/JNK1 and Ras pathway signaling, MAPK1/3 (ERK1/2) pathway signaling, cell survival, and regulation of cell shape and adhesion.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 30.2kDa
Endotoxin	<1.0EU per 1g (determined by the LAL method)
Purity	>95%
Characteristic	The isoelectric point is 6.5.
Applications	SDS-PAGE; WB; ELISA; IP

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Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
Storage buffer	Supplied as lyophilized form in PBS, pH7.4, containing 5% trehalose, 0.01% sarcosyl.
Reconstitution	Reconstitute in sterile PBS, pH7.2-pH7.4.

GENE INFORMATION

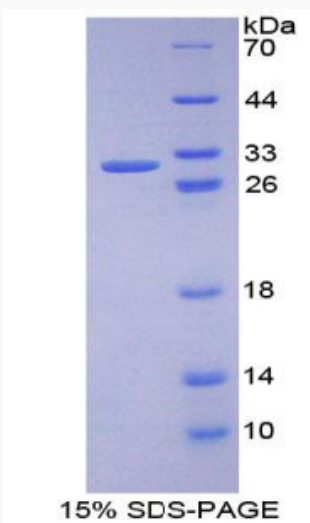
Gene Name	PRKD1 protein kinase D1 [Homo sapiens (human)]
Official Symbol	PRKD1
Synonyms	PKD; PKCM; CHDED; PRKCM; PKC-MU; nPKC-D1; nPKC-mu; protein kinase C mu type; protein kinase C, mu; protein kinase D; serine/threonine-protein kinase D1
Gene ID	5587
mRNA Refseq	NM_001330069.1
Protein Refseq	NP_001316998.1
UniProt ID	Q15139

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SDS-PAGE



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