

## Recombinant Human PCNT protein, His & T7-tagged

Cat. No. PCNT-8024H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human PCNT aa. (Arg2987~Thr3246 (Accession # O95613)) fused with N-terminal His & T7 tag was produced in E. coli cells.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	Arg2987~Thr3246
<b>Description</b>	<p>The protein encoded by this gene binds to calmodulin and is expressed in the centrosome. It is an integral component of the pericentriolar material (PCM). The protein contains a series of coiled-coil domains and a highly conserved PCM targeting motif called the PACT domain near its C-terminus. The protein interacts with the microtubule nucleation component gamma-tubulin and is likely important to normal functioning of the centrosomes, cytoskeleton, and cell-cycle progression. Mutations in this gene cause Seckel syndrome-4 and microcephalic osteodysplastic primordial dwarfism type II. Two transcript variants encoding different isoforms have been found for this gene.</p>
<b>Form</b>	Freeze-dried powder
<b>Molecular Mass</b>	Predicted Molecular Mass: 33.2kDa
<b>Endotoxin</b>	<1.0EU per 1ug (determined by the LAL method)

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<b>Purity</b>	>90%
<b>Characteristic</b>	The isoelectric point is 10.3.
<b>Applications</b>	SDS-PAGE; WB; ELISA; IP
<b>Stability</b>	The thermal stability is described by the loss rate of the target protein. 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. (Referring from China Biological Products Standard, which was calculated by the Arrhenius equation.) The loss of this protein is less than 5% within the expiration date under appropriate storage condition.
<b>Storage</b>	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
<b>Storage Buffer</b>	Supplied as lyophilized form in PBS, pH7.4, containing 5% trehalose, 0.01% sarcosyl.
<b>Reconstitution</b>	Reconstitute in sterile PBS, pH7.2-pH7.

## GENE INFORMATION

<b>Gene Name</b>	PCNT pericentrin [ Homo sapiens (human) ]
<b>Official Symbol</b>	PCNT
<b>Synonyms</b>	KEN; PCN; MOPD2; PCNT2; PCNTB; PCTN2; SCKL4; kendrin; pericentrin-2; pericentrin-380; pericentrin-B; pericentrin
<b>Gene ID</b>	5116

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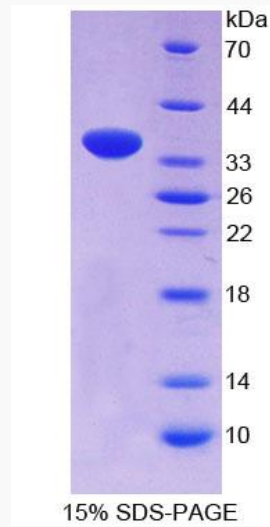
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mRNA Refseq [NM\\_001315529.1](#)

Protein Refseq [NP\\_001302458.1](#)

UniProt ID [O95613](#)

**SDS-PAGE**



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