

Recombinant Human PCNT protein, His & T7-tagged

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

SPECIFICATION

Product Overview	Recombinant Human PCNT aa. (Arg2987~Thr3246 (Accession # O95613)) fused with N-terminal His & T7 tag was produced in E. coli cells.
Species	Human
Source	E.coli
ProteinLength	Arg2987~Thr3246
Description	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.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 33.2kDa
Endotoxin	<1.0EU per 1ug (determined by the LAL method)

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Purity	>90%
Characteristic	The isoelectric point is 10.3.
Applications	SDS-PAGE; WB; ELISA; IP
Stability	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.
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.

GENE INFORMATION

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

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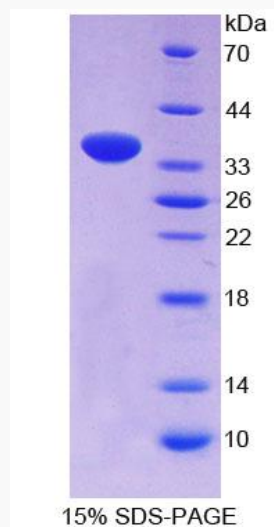
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mRNA Refseq [NM_001315529.1](#)

Protein Refseq [NP_001302458.1](#)

UniProt ID [O95613](#)

SDS-PAGE



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