

Recombinant Human PCM1

Cat. No. PCM1-30551TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human PCM1 with N terminal proprietary tag, predicted mwt: 84.41 kDa.
Species	Human
Source	Wheat Germ
ProteinLength	530 amino acids
Description	The protein encoded by this gene is a component of centriolar satellites, which are electron dense granules scattered around centrosomes. Inhibition studies show that this protein is essential for the correct localization of several centrosomal proteins, and for anchoring microtubules to the centrosome. Chromosomal aberrations involving this gene are associated with papillary thyroid carcinomas and a variety of hematological malignancies, including atypical chronic myeloid leukemia and T-cell lymphoma.
Molecular Weight	84.410kDa inclusive of tags
Tissue specificity	Expressed in blood, bone marrow, breast, lymph node, ovary and thyroid.
Form	Liquid
Purity	Proprietary Purification

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Storage buffer	pH: 8.00Constituents:0.3% Glutathione, 0.79% Tris HCl
Storage	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
Sequences of amino acids	MATGGGPFEDGMNDQDLPNWSNENVDDRLNNMDWGAQQKK ANRSSEKNKKKF GVESDKRVTNDISPESSPGVGRRRTKTP HTFPHSRYSQMSVPEQAELEKLKQRIN FSDLDQRSIGSD SQGRATAANNKRQLSEN RKPFNFLPMQINTNKS KDASTSP PNR ETIGSAQCKELFASALSNDLLQNCQVSEEDGRGEPAM ESSQIVSRLVQIRDYITKAS SMREDLVEKNERSANVERLT HLIDHLKEQEKS YMKFLKKILARENEEEDVRTIDSAV GSG SVAESTSLNIDVQSEASDTTARDPQQEPMEEIENLKKQHD LLKRMLQQQEQL RALQGRQAALLALQHKA EQAIAVMDDSV VAETAGSLSGVSITSELNEELNDLIQRFH NQLRDSQPPAV PDNRRQAESLSLTREVSQSRKPSASERLPDEKVELFSKMR VLQE KKQKMDKLLGELHTLRDQHLNNSSSSPQRSVDQQRST SAPSASVGLAPVVNGESNS LTSSVPYPTASLVSQNESENE GHLNPSEKLQ
Sequence Similarities	Belongs to the PCM1 family.
GENE INFORMATION	
Gene Name	PCM1 pericentriolar material 1 [Homo sapiens]
Official Symbol	PCM1
Synonyms	PCM1; pericentriolar material 1; pericentriolar material 1 protein; PTC4;
Gene ID	5108
mRNA Refseq	NM_006197

Protein Refseq	NP_006188
MIM	600299
Uniprot ID	Q15154
Chromosome Location	8p22-p21.3
Pathway	Cell Cycle, Mitotic, organism-specific biosystem; Centrosome maturation, organism-specific biosystem; G2/M Transition, organism-specific biosystem; Loss of Nlp from mitotic centrosomes, organism-specific biosystem; Loss of proteins required for interphase microtubule organization??from the centrosome, organism-specific biosystem;
Function	identical protein binding; protein binding;

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