

Recombinant Human CENPT Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. CENPT-5871H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	CENPT MS Standard C13 and N15-labeled recombinant protein (NP_079358) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	The centromere is a specialized chromatin domain, present throughout the cell cycle, that acts as a platform on which the transient assembly of the kinetochore occurs during mitosis. All active centromeres are characterized by the presence of long arrays of nucleosomes in which CENPA replaces histone H3. CENPT is an additional factor required for centromere assembly.
Molecular Mass	60.4 kDa
AA Sequence	MADHNPDS DSTPRTLRRVLD TADPRTPRRPRSARAGARRALLETASPRKLSGQTR TIARGRSHGARSVGRSAHIQASGHLEEQTPTLLKNILLTAPESSILMPESVVKPVPA PQAVQPSRQESSCGSLELQLPELEPPTTLAPGLLAPGRRKQRLRLSVFQQGVDQGL SLSQEPQGNADASSLTRSLNLT FATPLQPQSVQRPGLARRPPARRAVDVGAFRLDL RDTSLAPPNIVLED TQPF SQPMV GSPNVYHSLPCTPHTGAEDAEQAAGRKTQSSGP GLQKNSPGKPAQFLAGEAEEVNAFALGFLSTSSGVSGEDEVEPLHDGVEEAEKKME EEGVSVSEMEATGAQGSPRVEEAEGHTEVTEAEGSQGTAEADGPGASSGDEDAS GRAASPESASSTPESLQARRHHQFLEPAPAPGA AVL SSEPAEPLLVRHPPRPRTTG

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PRPRQDPHKAGLSHYVKLFSFYAKMPMERKALEMVEKCLDKYFQHLCDDLEVFAAH
 AGRKTVKPEDLELLMRRQGLVTDQVSLHVLVERHLPLEYRQLLIPCAYSGNSVFPAQ
 SGPTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name CENPT centromere protein T [Homo sapiens (human)]

Official Symbol CENPT

Synonyms CENPT; centromere protein T; C16orf56, chromosome 16 open reading frame 56; CENP T; FLJ13111; interphase centromere complex protein 22; CENP-T; C16orf56; FLJ43376;

Gene ID 80152

mRNA Refseq NM_025082

Protein Refseq NP_079358

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MIM	611510
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UniProt ID	Q96BT3
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