

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

Cat. No. CENPH-745H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	CENPH MS Standard C13 and N15-labeled recombinant protein (NP_075060) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	Centromere and kinetochore proteins play a critical role in centromere structure, kinetochore formation, and sister chromatid separation. The protein encoded by this gene colocalizes with inner kinetochore plate proteins CENP-A and CENP-C in both interphase and metaphase. It localizes outside of centromeric heterochromatin, where CENP-B is localized, and inside the kinetochore corona, where CENP-E is localized during prometaphase. It is thought that this protein can bind to itself, as well as to CENP-A, CENP-B or CENP-C. Multimers of the protein localize constitutively to the inner kinetochore plate and play an important role in the organization and function of the active centromere-kinetochore complex.
Molecular Mass	28.5 kDa
AA Sequence	MEEQPQMQDADEPADSGGEGRAGGPPQVAGAQAACSEDRMTLLRLRAQTKQQL LEYKSMVDASEEKTPEQIMQEKQIEAKIEDLENEIEEVKVAFEIKKLALDRMRLSTALK KNLEKISRQSSVLMNMDNMKHLLELNKLIMKSQQESWDLEEKLLDIRKKRLQLKQASES KLLEIQTEKNKQKIDLDSEMSERIKIIRQNLQMEIKITTVIQHVFNILGSKVNWAED

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PALKEIVLQLEKNVDMTRTRPLEQKLISEEDLAANDILDYKDDDDKV

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	CENPH centromere protein H [Homo sapiens (human)]
Official Symbol	CENPH
Synonyms	CENPH; centromere protein H; NNF1; MIND kinetochore complex component; homolog (S. cerevisiae); PMF1; CENP-H; kinetochore protein CENP-H; interphase centromere complex protein 35;
Gene ID	64946
mRNA Refseq	NM_022909
Protein Refseq	NP_075060
MIM	605607

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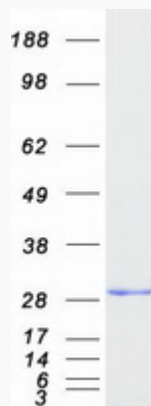
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UniProt ID

Q9H3R5

SDS-PAGE

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