



Recombinant Human Centromere protein H (CENPH)

Product Code	CSB-MP005211HU
Abbreviation	CENPH
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
Uniprot No.	Q9H3R5
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	>85% (SDS-PAGE)
Sequence	MEEQPQMQDA DEPADSGGEG RAGGPPQVAG AQAACSEDRM TLLLRLRAQT KQQLLEYKSM VDASEEKTPE QIMQEKGIEA KIEDLENEIE EVKVAFEIKK LALDRMRLST ALKKNLEKIS RQSSVLMDNM KHLLLENKLI MKSQQESWDL EEKLLDIRKK RLQLKQASES KLEIQTEKN KQKIDLDSME NSERIKIIRQ NLQMEIKITT VIQHVFNLI LGSKVNWAED PALKEIVLQL EKNVDMM
Source	Mammalian cell
Target Names	CENPH
Protein Names	Recommended name: Centromere protein H Short name= CENP-H Alternative name(s): Interphase centromere complex protein 35
Expression Region	1-247
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	full length protein
Target Details	Centromere and kinetochore proteins play a critical role in centromere structure, kinetochore formation, and sister chromatid separation. This protein 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.
Reconstitution	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final



concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

Shelf Life

The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself.

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