



# Recombinant Human Centromere protein H (CENPH)

<b>Product Code</b>	CSB-BP005211HU
<b>Abbreviation</b>	CENPH
<b>Storage</b>	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.
<b>Uniprot No.</b>	Q9H3R5
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Purity</b>	≥85% (SDS-PAGE)
<b>Sequence</b>	MEEQPQMQDA DEPADSGGEG RAGGPPQVAG AQAACSEDRM TLLLRLRAQT KQQLLEYKSM VDASEEKTPE QIMQEKGIEA KIEDLENEIE EVKVAFEIKK LALDRMRLST ALKKNLEKIS RQSSVLMDNM KHLLLELNKLI MKSQQESWDL EEKLLDIRKK RLQLKQASES KLLIEIQTEKN KQKIDLDSME NSERIKIIRQ NLQMEIKITT VIQHVFQNL I LGSKVNWAED PALKEIVLQL EKNVDM
<b>Source</b>	Baculovirus
<b>Target Names</b>	CENPH
<b>Protein Names</b>	Recommended name: Centromere protein H Short name= CENP-H Alternative name(s): Interphase centromere complex protein 35
<b>Expression Region</b>	1-247
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	Tag type will be determined during the manufacturing process.
<b>Protein Length</b>	full length protein
<b>Target Details</b>	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.
<b>Reconstitution</b>	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.

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.