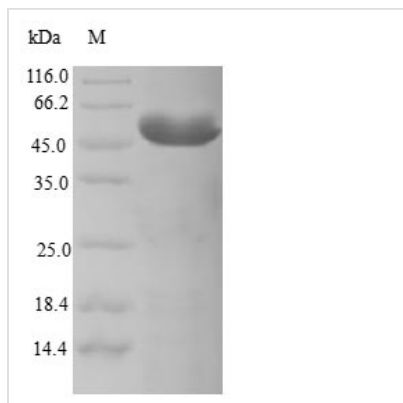




# Recombinant Human Centromere protein K (CENPK)

<b>Product Code</b>	CSB-EP005214HU
<b>Relevance</b>	Component of the CENPA-CAD (nucleosome distal) complex, a complex recruited to centromeres which is involved in assembly of kinetochore proteins, mitotic progression and chromosome segregation. May be involved in incorporation of newly synthesized CENPA into centromeres via its interaction with the CENPA-NAC complex. Acts in coordination with CASC5/KNL1 to recruit the NDC80 complex to the outer kinetochore.
<b>Abbreviation</b>	Recombinant Human CENPK protein
<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>	Q9BS16
<b>Alias</b>	Interphase centromere complex protein 37 Protein AF-5alpha p33
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Purity</b>	≥ 90% as determined by SDS-PAGE.
<b>Sequence</b>	MNQEDLDPDSTTDVGDVTNTEEELIRECEEMWKDMEECQNKLSLIGTETLTDS NAQLSLLIMQVKCLTAELSQQWQKKTPEIPLTEDVLITLGKEEFQKLRQDLEMV LSTKESKNEKLKEDLEREQRWLDEQQQIMESLNVLHSELKNKVETFSERIFN ELKTKMLNIKEYKEKLLSTLGEFLEDHFPLPDRSVKKNKNIQESSVNLITLHEM LEILINRLFDVPHDPYVKISDSFWPPYVELLLRNGIALRHPEDPTRIRLEAFHQ
<b>Research Area</b>	Epigenetics and Nuclear Signaling
<b>Source</b>	E.coli
<b>Target Names</b>	CENPK
<b>Protein Names</b>	Recommended name: Centromere protein K Short name= CENP-K Alternative name(s): Interphase centromere complex protein 37 Protein AF-5alpha p33
<b>Expression Region</b>	1-269aa
<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>	N-terminal GST-tagged
<b>Mol. Weight</b>	58.7kDa
<b>Protein Length</b>	Full Length
<b>Image</b>	



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

### 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. 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.