

Recombinant Human CENPE Protein, His-tagged

Cat. No. CENPE-348H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human CENPE(Ala2450~Arg2590) fused with His tag at N-terminal was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Ala2450~Arg2590
Description	Centrosome-associated protein E (CENPE) is a kinesin-like motor protein that accumulates in the G2 phase of the cell cycle. Unlike other centrosome-associated proteins, it is not present during interphase and first appears at the centromere region of chromosomes during prometaphase. This protein is required for stable spindle microtubule capture at kinetochores which is a necessary step in chromosome alignment during prometaphase. This protein also couples chromosome position to microtubule depolymerizing activity. Alternative splicing results in multiple transcript variants encoding distinct protein isoforms.
Form	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Molecular Mass	20.2kDa
Identity	Reconstitute in PBS or others
Endotoxin	<1.0EU per 1g (determined by the LAL method)

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Purity	> 95%
Applications	Positive Control; Immunogen; SDS-PAGE; WB. If bio-activity of the protein is needed, please check active protein
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Reconstitution	Reconstitute in PBS or others

GENE INFORMATION

Gene Name	CENPE centromere protein E, 312kDa [Homo sapiens]
Official Symbol	CENPE
Synonyms	CENPE; centromere protein E, 312kDa; centromere protein E (312kD); centromere-associated protein E; KIF10; PPP1R61; protein phosphatase 1; regulatory subunit 61; kinesin family member 10; kinesin-related protein CENPE; Centromere autoantigen E (312kD); protein phosphatase 1, regulatory subunit 61; CENP-E;
Gene ID	1062
mRNA Refseq	NM_001813
Protein Refseq	NP_001804

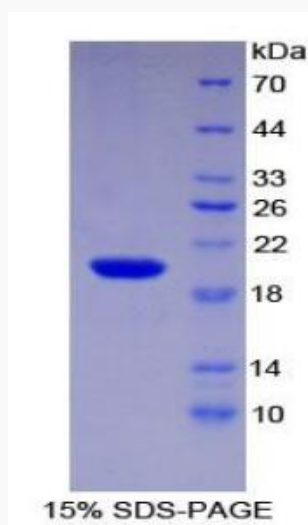
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MIM 117143

UniProt ID Q02224



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