

Recombinant Human CENPE Protein, GST-Tagged

Cat. No. CENPE-1114H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human CENPE partial ORF (NP_001804, 309 a.a. - 419 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
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. [provided by RefSeq, Nov 2014]
Molecular Mass	37.95 kDa
AA Sequence	TPVSFDETLTALQFASTAKYMKNTPYVNEVSTDEALLKRYRKEIMDLKKQLEEVSLET RAQAMEKDQLAQLLEEKDLLQKVQNEKIENTRMLVTSSSLTLQQELKAKRKR
Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array

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Storage Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

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

MIM 117143

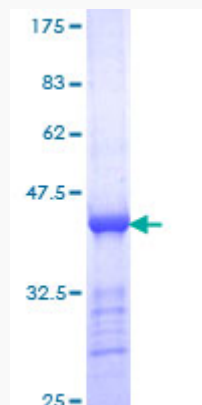
UniProt ID Q02224

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**Quality Control
Testing**



12.5% SDS-PAGE Stained with Coomassie Blue.

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