

Recombinant Human CENPI Protein, His-tagged

Cat. No. CENPI-276H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human CENPI(Leu292~Gly528) fused with His tag at N-terminal was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Leu292~Gly528
Description	This gene encodes a centromere protein that is a component of the CENPA-NAC (nucleosome-associated) complex. This complex is critical for accurate chromosome alignment and segregation and it ensures proper mitotic progression. This protein regulates the recruitment of kinetochore-associated proteins that are required to generate the spindle checkpoint signal. The product of this gene is involved in the response of gonadal tissues to follicle-stimulating hormone. Mutations in this gene may be involved in human X-linked disorders of gonadal development and gametogenesis. Alternate splicing results in multiple transcript variants. A pseudogene of this gene is found on chromosome 13.
Form	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Molecular Mass	31.1kDa
Identity	Reconstitute in PBS or others

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Endotoxin	<1.0EU per 1g (determined by the LAL method)
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	CENPI centromere protein I [Homo sapiens]
Official Symbol	CENPI
Synonyms	CENPI; centromere protein I; FSH primary response (LRPR1 homolog, rat) 1 , FSH primary response (LRPR1, rat) homolog 1 , FSHPRH1; CENP I; LRPR1; Mis6; FSH primary response 1; FSH primary response protein 1; leucine-rich primary response protein 1; interphase centromere complex protein 19; follicle-stimulating hormone primary response protein; CENP-I; FSHPRH1;
Gene ID	2491

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mRNA Refseq	NM_006733
Protein Refseq	NP_006724
MIM	300065
UniProt ID	Q92674

