

Recombinant Human CENPJ, GST-tagged

Cat. No. CENPJ-11097H Lot. No. (See product label)

SPECIFICATION

Product Overview Recombinant Human CENPJ protein, fused to GST-tag, was expressed in E.coli and purified by GSH-sepharose.

Species Human

Source E.coli

ProteinLength C-term-306a.a.

Description This gene encodes a component of the chromosomal passenger complex. This complex is an essential regulator of mitosis and cell division. This protein is cell-cycle regulated and is required for chromatin-induced microtubule stabilization and spindle formation. Alternate splicing results in multiple transcript variants. Pseudogenes of this gene are found on chromosomes 7, 8 and 16.

Storage The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles.

Storage Buffer 1M PBS (58mM Na₂HPO₄, 17mM NaH₂PO₄, 68mM NaCl, pH8.) added with 100mM GSH and 1% Triton X-100, 15% glycerol.

GENE INFORMATION

Gene Name CENPJ centromere protein J [Homo sapiens]

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Official Symbol	CENPJ
Synonyms	CENPJ; centromere protein J; MCPH6, microcephaly, primary autosomal recessive 6; BM032; CPAP; LAP; LIP1; Sas 4; SASS4; SCKL4; LAG-3-associated protein; LYST-interacting protein 1; LYST-interacting protein LIP1; LYST-interacting protein LIP7; centrosomal P4.1-associated protein; MCPH6; Sas-4; CENP-J; MGC131581; MGC131582; MGC142222; MGC142224;
Gene ID	55835
mRNA Refseq	NM_018451
Protein Refseq	NP_060921
MIM	609279
UniProt ID	Q9HC77
Chromosome Location	13q12.12
Pathway	Cell Cycle, organism-specific biosystem; Cell Cycle, Mitotic, organism-specific biosystem; Centrosome maturation, organism-specific biosystem; G2/M Transition, organism-specific biosystem; Loss of Nlp from mitotic centrosomes, organism-specific biosystem; Loss of proteins required for interphase microtubule organization??from the centrosome, organism-specific biosystem; Mitotic G2-G2/M phases, organism-specific biosystem;
Function	protein binding; protein domain specific binding; protein kinase binding; tubulin binding;

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