

Recombinant Human CENPJ 293 Cell Lysate

Cat. No. CENPJ-7583HCL Lot. No. (See product label)

SPECIFICATION

Species	Human
Source	HEK293
Description	Antigen standard for centromere protein J (CENPJ) is a lysate prepared from HEK293T cells transiently transfected with a TrueORF gene-carrying pCMV plasmid and then lysed in RIPA Buffer. Protein concentration was determined using a colorimetric assay. The antigen control carries a C-terminal Myc/DDK tag for detection.
Components	This product includes 3 vials: 1 vial of gene-specific cell lysate, 1 vial of control vector cell lysate, and 1 vial of loading buffer. Each lysate vial contains 0.1 mg lysate in 0.1 ml (1 mg/ml) of RIPA Buffer (50 mM Tris-HCl pH7.5, 250 mM NaCl, 5 mM EDTA, 50 mM NaF, 1% NP40). The loading buffer vial contains 0.5 ml 2X SDS Loading Buffer (125 mM Tris-Cl, pH6.8, 10% glycerol, 4% SDS, 0.002% Bromophenol blue, 5% beta-mercaptoethanol).
Size	0.1 mg
Storage Instruction	Store at -80°C. Minimize freeze-thaw cycles. After addition of 2X SDS Loading Buffer, the lysates can be stored at -20°C. Product is guaranteed 6 months from the date of shipment.
Applications	ELISA, WB, IP. WB: Mix equal volume of lysates with 2X SDS Loading Buffer. Boil the mixture for 10 min before loading (for membrane protein lysates, incubate the

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mixture at room temperature for 30 min). Load 5 ug lysate per lane.

GENE INFORMATION

Gene Name [CENPJ centromere protein J \[Homo sapiens \]](#)

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

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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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