Recombinant Human SEPT4 293 Cell Lysate

Cat. No. SEPT4-1958HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	
Species	Human
Source	HEK293
Description	Antigen standard for septin 4 (SEPT4), transcript variant 2 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.

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

GENE INFORMATION

Gene Name	SEPT4 septin 4 [Homo sapiens]
Official Symbol	SEPT4
Synonyms	H5; ARTS; MART; SEP4; CE5B3; PNUTL2; hucep-7; BRADEION; hCDCREL-2; septin-4; septin-M; CE5B3 beta; bradeion beta; brain protein H5; cerebral protein 7; peanut-like protein 2; cell division control-related protein 2; apoptosis-related protein in the TGF-beta signaling pathway
Gene ID	5414
mRNA Refseq	NM_080415
Protein Refseq	NP_536340
MIM	603696
UniProt ID	O43236
Chromosome Location	17q22
Pathway	Apoptosis Modulation and Signaling, organism-specific biosystem
Function	GTP binding; protein binding; structural molecule activity

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