

Recombinant Human RBPJ 293 Cell Lysate

Cat. No. RBPJ-2453HCL Lot. No. (See product label)

SPECIFICATION

Species	Human
Source	HEK293
Description	Antigen standard for recombination signal binding protein for immunoglobulin kappa J region (RBPJ), transcript variant 4 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

 Tel: 1-631-559-9269 1-516-512-3133

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

GENE INFORMATION

Gene Name	RBPJ recombination signal binding protein for immunoglobulin kappa J region [Homo sapiens]
Official Symbol	RBPJ
Synonyms	RBPJ; recombination signal binding protein for immunoglobulin kappa J region; IGKJRB1, RBPSUH, recombining binding protein suppressor of hairless (Drosophila); recombining binding protein suppressor of hairless; CBF1; IGKJRB; KBF2; RBP J; RBPJK; SUH; suppressor of hairless homolog (Drosophila); CBF-1; RBP-JK; RBP-J kappa; H-2K binding factor-2; suppressor of hairless homolog; renal carcinoma antigen NY-REN-30; immunoglobulin kappa J region recombination signal binding protein 1; csl; RBP-J; RBPSUH; IGKJRB1; MGC61669;
Gene ID	3516
mRNA Refseq	NM_203284
Protein Refseq	NP_976029
MIM	147183
UniProt ID	Q06330
Chromosome Location	4p15.2
Pathway	Delta-Notch Signaling Pathway, organism-specific biosystem; Developmental Biology,

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organism-specific biosystem; Gene Expression, organism-specific biosystem; Generic Transcription Pathway, organism-specific biosystem; NOTCH1 Intracellular Domain Regulates Transcription, organism-specific biosystem; Notch Signaling Pathway, organism-specific biosystem; Notch signaling pathway, organism-specific biosystem;

Function

DNA binding; RNA polymerase II core promoter proximal region sequence-specific DNA binding transcription factor activity involved in positive regulation of transcription; RNA polymerase II repressing transcription factor binding; protein binding; recombinase activity; sequence-specific DNA binding transcription factor activity;

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