

Recombinant Human RBPJ protein, MYC/DDK-tagged

Cat. No. RBPJ-14H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human RBPJ, transcript variant 4, fused with MYC/DDK tag at C-terminal was expressed in HEK293.
Species	Human
Source	HEK293
Description	The protein encoded by this gene is a transcriptional regulator important in the Notch signaling pathway. The encoded protein acts as a repressor when not bound to Notch proteins and an activator when bound to Notch proteins. It is thought to function by recruiting chromatin remodeling complexes containing histone deacetylase or histone acetylase proteins to Notch signaling pathway genes. Several transcript variants encoding different isoforms have been found for this gene, and several pseudogenes of this gene exist on chromosome 9.
Form	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	54.2 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration	>50 ug/mL as determined by microplate BCA method

GENE INFORMATION

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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, 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;

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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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