

Recombinant Human RBPJ protein, MYC/DDK-tagged

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

SPECIFICATION

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| 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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 45-1 Ramsey Road, Shirley, NY 11967, USA

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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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