

Recombinant Human RBPJ, His-tagged

Cat. No. RBPJ-31301TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant fragment, corresponding to amino acids 94-485 of Human RBPJK Isoform 4 with an N terminal His tag; Predicted MWt 45 kDa.
Species	Human
Source	E.coli
ProteinLength	94-485 a.a.
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. Also, this protein can bind specifically to the recombination signal sequence of immunoglobulin kappa type J segments. Several transcript variants encoding different isoforms have been found for this gene, and several pseudogenes of this gene exist on chromosome 9.
Conjugation	HIS
Form	Lyophilised:Reconstitute with 72 µl aqua dest.
Storage buffer	Preservative: NoneConstituents: 0.5% Trehalose, 6M Urea, 100mM Sodium phosphate, 10mM Sodium chloride, pH 4.5

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Storage	Shipped at 4°C. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
Sequences of amino acids	DQEMQQLNLEGKNYCTAKTLYISDSDKRKHFMLSVKMFYG NSDDIGVFLSKRIKVIS KPSKKKQSLKNADLCIASGTK VALFNRLRSQTVSTRYLHVEGGNFHASSQQWGAFF IHL LDDDESEGEETVVRDGYIHYGQTVKLVCSVTGMALPRL IIRKVDKQTALLDADD PVSQHLHKCAFYLKDERMYLCLSQ ERIIQFQATPCPKEPNKEMINDGASWTIISTDKA EYTF YEGMGPVLAPVTPVPVVESLQLNGGGDVAMLELTGQNF TPNLRVWFGDVE AETMYRCGESMLCVDPDISAFREGWR WVRQPVPVPTLVRNDGIIYSTSLTFTYTP EPGPRPHC SAAGAILRANSSQVPPNESNTNSEGSYTNASTNSTSVTSS TATVVS
Sequence Similarities	Belongs to the Su(H) family.Contains 1 IPT/TIG domain.
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; sup
Gene ID	3516
mRNA Refseq	NM_005349
Protein Refseq	NP_005340

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; NICD traffics to nucleus, 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; protein binding; recombinase activity; sequence-specific DNA binding transcription f;

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