

Product datasheet for **SC321953**

RBPJK (RBPJ) (NM_203284) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RBPJK (RBPJ) (NM_203284) Human Untagged Clone
Tag:	Tag Free
Symbol:	RBPJK
Synonyms:	AOS3; CBF-1; CBF1; csl; IGKJRB; IGKJRB1; KBF2; RBP-J; RBP-JK; RBP-J kappa; RBPJK; RBPSUH; SUH
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for SC321953
 GCGCCTGTTGTGACAGGTCATTGAAATTATGAGACTATCATTCAAATGGAAGCATTATAG
 TTCTTCGGAACCATATGATCTCAAACGAAAGGAGAATGATACAGATACACTGGCTGAG
 GTGTTTTGAGGTGCATCGAAGTGTCCAAGCTGTGACTTACCTTAACATGTTCTTGAAGT
 ACCATGGCGTGGATTAAGGAAATTTGGTGAGCGGCCTCCACCTAAACGACTTACTAGG
 AAAGTTGCACAGAAGTCATATGGAAATGAAAAAGGTTTTTTTGGCCACCTCCTTGTGTA
 TATCTTATGGGCAGTGGATGGAAGAAAAAAGAAACAAATGGAACGCGATGGTTGTTCT
 GAACAAGAGTCTCAACCGTGTGCATTTATTGGGATAGGAAATAGTGACCAAGAAATGCAG
 CAGCTAAACTTGAAGGAAAGAACTATTGCACAGCCAAAACATTGTATATATCTGACTCA
 GACAAGCGAAAGCACTTCATGTTGTCTGTAAGATGTTCTATGGCAACAGTGATGACATT
 GGTGTGTTCTCAGCAAGCGGATAAAAGTCATCTCAAACCTTCCAAAAAGAAGCAGTCA
 TTGAAAAATGCTGACTTATGCATTGCCTCAGGAACAAAGTGGCTCTGTTAATCGACTA
 CGATCCCAGACAGTTAGTACCAGATACTGCATGTAGAAGGAGTAATTTTCATGCCAGT
 TCACAGCAGTGGGAGCCTTTTTTATTTCATCTCTGGATGATGATGAATCAGAAGGAGAA
 GAATTCACAGTCCGAGATGGCTACATCCATTATGGACAAACAGTCAAACCTGTGTGCTCA
 GTTACTGGCATGGCACTCCCAAGATTGATAATTAGGAAAGTTGATAAGCAGACCCGATTA
 TTGGATGCAGATGATCCTGTGCACAACCCATAAATGTGCATTTTACCTTAAGGATACA
 GAAAGAATGATTTGTGCCTTTCTCAAGAAAGAATAATTCATTTTCAGGCCACTCCATGT
 CCAAAAAGAACCAATAAAGAGATGATAAATGATGGCGCTTCTGGACAATCATTAGCACA
 GATAAGGCAGAGTATACATTTTATGAGGGAATGGGCCCTGTCCTTGGCCAGTCACTCCT
 GTGCCTGTGGTAGAGAGCCTTCAGTTGAATGGCGGTGGGGACGTAGCAATGCTTGAACCT
 ACAGGACAGAATTTCACTCCAAATTTACGAGTGTGGTTTGGGGATGTAGAAGTGAACCT
 ATGTACAGGTGTGGAGAGAGATGCTCTGTGTCGTCGCCAGACATTTCTGCATTCCGAGAA
 GGTTGGAGATGGTCCGGCAACCAGTCCAGTTCAGTAACTTTGGTCCGAAATGATGGA
 ATCATTATTCCACCAGCCTTACCTTTACCTACACACCAGAACCAGGGCCGCGGCCACAT
 TGCAGTGCAGCAGGAGCAATCCTTCGAGCCAATTCAAGCCAGGTGCCCCCTAACGAATCA
 AACACAAACAGCGAGGGAAGTTACACAAACGCCAGCACAAATTC AACCCAGTGTACATCA
 TCTACAGCCACAGTGGTATCCTAACTACCGTCTTTTTGCTAGGACTTAACTGACTTGAG
 TGTGGCAAAAAGTTAACAAAAAGGAGAAAAAATGAACAATCGTTTGTGGTTTCTTGGGA
 AAACCTTTTCATACCAGGTGATACTATTCAAAAACCCCGTTGTCTCCCTGCAAGTGCTGAT
 TTGAAATGCAGAAGCCACAGTAAAAAAGAAAAA

Restriction Sites: Please inquire

ACCN: NM_203284

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

OTI Annotation: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method:

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

RefSeq: [NM_203284.1](#), [NP_976029.1](#)

RefSeq Size: 2499 bp

RefSeq ORF: 1461 bp

Locus ID: 3516

UniProt ID: [Q06330](#)

Cytogenetics: 4p15.2

Protein Families: Transcription Factors

Protein Pathways: Notch signaling pathway

Gene Summary: 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. [provided by RefSeq, Oct 2013]

Transcript Variant: This variant (4) differs in the 5' UTR and coding sequence compared to variant 1. The resulting isoform (4) has a shorter and distinct N-terminus compared to isoform 1. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.