

Product datasheet for **RC215872**

RBPJK (RBPJ) (NM_015874) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RBPJK (RBPJ) (NM_015874) Human Tagged ORF Clone
Tag:	Myc-DDK
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-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RC215872 representing NM_015874
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGCGCCTGTTGTGACAGGAAATTTGGTGAGCGGCCTCCACCTAAACGACTTACTAGGGAAGCTATGC
 GAAATTATTTAAAGAGCGAGGGGATCAAACAGTACTTATTCTTCATGCAAAAAGTTGCACAGAAGTCATA
 TGGAAATGAAAAAAGTTTTTTTGGCCACCTCCTTGTGTATATCTTATGGGCAGTGGATGGAAGAAAAA
 AAAGAACAAATGGAACGCGATGGTTGTTCTGAACAAGAGTCTCAACCGTGTGCATTTATTGGGATAGGAA
 ATAGTGACCAAGAAATGCAGCAGCTAACTTGAAGGAAAGAAGTATTGCACAGCCAAAACATTGTATAT
 ATCTGACTCAGACAAGCGAAAGCACTTCATGTTGTCTGTAAGATGTTCTATGGCAACAGTGATGACATT
 GGTGTGTTCTCAGCAAGCGGATAAAAGTCATCTCAAACCTTCCAAAAAGAAGCAGTCATTGAAAAATG
 CTGACTTATGCATTGCCCTAGGAACAAAGGTGGCTCTGTTAATCGACTACGATCCAGACAGTTAGTAC
 CAGATACTTGCATGTAGAAGGAGTAATTTTCATGCCAGTTCACAGCAGTGGGGAGCCTTTTTTATTTCAT
 CTCTTGGATGATGATGAATCAGAAGGAGAAGAATTCACAGTCCGAGATGGCTACATCCATTATGGACAAA
 CAGTCAAACCTTGTGTGCTCAGTTACTGGCATGGCACTCCCAAGATTGATAATTAGGAAAGTTGATAAGCA
 GACCGCATTATTGGATGCAGATGATCCTGTGTCACAACTCCATAAATGTGCATTTTACCTTAAGGATACA
 GAAAGAATGATTTGTGCCTTTCTCAAGAAAGAATAATTCAATTTTCAGGCCACTCCATGTCCAAAAGAAC
 CAAATAAAGAGATGATAAATGATGGCGCTTCTGGACAATCATTAGCACAGATAAGGCAGAGTATACATT
 TTATGAGGGAATGGGCCCTGTCTTGGCCAGTCACTCCTGTGCCTGTGGTAGAGAGCCTTCAGTTGAAT
 GGCGGTGGGACGTAGCAATGCTTGAACCTACAGGACAGAATTTCACTCCAAATTTACGAGTGTGGTTG
 GGTGTGTAAGACTGAACTATGTACAGGTGTGGAGAGATATGCTCTGTGTCGTCGCCAGACATTTCTGC
 ATTCGAGAAAGTTGGAGATGGGTCGGCAACCGTCCAGGTTCCAGTAACTTTGGTCCGAAATGATGGA
 ATCATTATTCCACCAGCCTTACCTTTACTACACACCAGAACCAGGGCCGCGGCCACATTGCAAGTGCAG
 CAGGAGCAATCCTTCGAGCCAATTCAAGCCAGGTGCCCTAACGAATCAAAACAAAACAGCGAGGGAAG
 TTACAAAACGCCAGCACAAATTCACACAGTGTACATCATCTACAGCCACAGTGGTATCC

ACCGGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC215872 representing NM_015874
 Red=Cloning site Green=Tags(s)

MAPVVTGKFGERPPLKRLTREAMRNYLKERGDQTVLILHAKVAQKSYGNEKRFFCPPPCVYLMGSGWKKK
 KEQMERDGCSEQESQPCAFIIGINSDQEMQQLNLEGKNYCTAKTLYISDSDKRKHFM SVKMFYGNSSDI
 GVFLSKRIKVISKPSKKKQSLKNADLCIASGKVALFNRLRSQTVSTRYLHVEGGNFHASSQWGAFFIH
 LLDDDESEGEFTVRDGYIHYGQTVKLVCSVTGMALPRL IIRKVDKQTALLDADDPVSQLHKCAFYLKDT
 ERMYLCLSQERIIQFQATPCPKENKEMINDGASWTIISTDKAEYTFYEGMGPVLAPVTPVPVVESSLQLN
 GGGDVAMLELTGQNFNPNLRVWFGDVEAETMYRCGESMLCVVPDISAFREGWRWVRQPVPVPTLVRNDG
 IYSTSLTFTYTPPEPGRPHCSAAGAILRANSSQVPPNESNTNSEGSYTNASTNSTSVTSSTATVVS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/ja1994_b03.zip

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:


ACCN: NM_015874

ORF Size: 1461 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

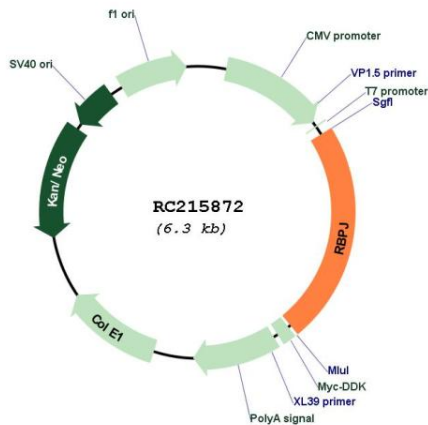
OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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_015874.5
RefSeq Size:	5825 bp
RefSeq ORF:	1464 bp
Locus ID:	3516
UniProt ID:	Q06330
Cytogenetics:	4p15.2
Protein Families:	Transcription Factors
Protein Pathways:	Notch signaling pathway
MW:	54.3 kDa
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]

Product images:



Circular map for RC215872