

## Product datasheet for **RG209094**

### **RBPJK (RBPJ) (NM\_203284) Human Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	RBPJK (RBPJ) (NM_203284) Human Tagged ORF Clone
Tag:	TurboGFP
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-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide Sequence:**

>RG209094 representing NM\_203284  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGGCGTGGATTAAGGAAATTTGGTGAAGCGCCTCCACCTAAACGACTTACTAGGGAAGCTATGCGAA  
 ATTATTTAAAAGAGCGAGGGATCAAACAGTACTTATTCTTCATGCAAAAAGTTGCACAGAAGTCATATGG  
 AAATGAAAAAAGGTTTTTTTGGCCACCTCCTTGTGTATATCTTATGGGCAGTGGATGGAAGAAAAA  
 GAACAAATGGAACCGCATGGTTGTTCTGAACAAGAGTCTCAACCGTGTGCATTTATTGGGATAGGAAATA  
 GTGACCAAGAAATGCAGCAGCTAAACTTGAAGGAAAGAACTATTGCACAGCCAAAACATTGTATATATC  
 TGACTCAGACAAGCGAAAGCACTTCATGTTGTCTGTAAGATGTTCTATGGCAACAGTGTGACATTGGT  
 GTGTTCTCAGCAAGCGGATAAAAGTCACTCCAAACCTCCAAAAGAAGCAGTCATTGAAAAATGCTG  
 ACTTATGCATTGCCTCAGGAACAAAGGTGGCTCTGTTAATCGACTACGATCCAGACAGTTAGTACCAG  
 ATACTTGCATGTAGAAGGAGTAATTTTCATGCCAGTTCACAGCAGTGGGAGCCTTTTTTATTCATCTC  
 TTGGATGATGATGAATCAGAAGGAGAAGAAATTCACAGTCCGAGATGGCTACATCCATTATGGACAAACAG  
 TCAAACCTGTGTGCTCAGTTACTGGCATGGCACTCCCAAGATTGATAATTAGGAAAGTTGATAAGCAGAC  
 CGCATTATTGGATGCAGATGATCCTGTGTACAACCTCCATAAATGTGCATTTTACCTTAAGGATACAGAA  
 AGAATGTATTTGTGCCTTCTCAAGAAAGAATAATTCAATTTTCAGGCCACTCCATGTCCAAAAGAACCAA  
 ATAAGAGATGATAAATGATGGCGCTTCTGGACAATCATTAGCACAGATAAGGCAGAGTATACATTTTA  
 TGAGGGAATGGCCCTGTCTTGGCCAGTCACTCCTGTGCCTGTGGTAGAGAGCCTTCAGTTGAATGGC  
 GGTGGGACGTAGCAATGCTTGAACCTACAGGACAGAAATTTCACTCCAAATTTACGAGTGTGTTGGGG  
 ATGTAGAAGCTGAAACTATGTACAGGTGTGGAGAGAGTATGCTCTGTGTCGTCCAGACATTTCTGCATT  
 CCGAGAAGGTTGGAGATGGGTCCGGCAACCAAGTCCAGTCCAGTAACTTTGGTCCGAAATGATGGAATC  
 ATTTATCCACCGCCTTACCTTACCTACACACCAGAACCAGGCGCCGCGCCACATTGCAGTGCAGCAG  
 GAGCAATCCTTCGAGCCAATTCAAGCCAGGTGCCCCCTAACGAATCAAACACAAACAGCGAGGGAAGTTA  
 CACAAACGCCAGCACAAATTCACCAGTGCACATCATCTACAGCCACAGTGGTATCC

**ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA**

**Protein Sequence:**

>RG209094 representing NM\_203284  
 Red=Cloning site Green=Tags(s)

MAWIKRKFGERPPPKRLTREAMRNYLKERGDQTVLILHAKVAQKSYGNEKRFFCPPPCVYLMGSGWKKKK  
 EQMERDGCSEQESQPCAFIGIGNSDQEMQLNLEGKNYCTAKTLYISDSDKRKHFM SVKMFYGNSSDDIG  
 VFLSKRIKVISKPSKKKQSLKNADLCIASGKVALFNRLRSQTVSTRYLHVEGGNFHASSQQWGAFFIHL  
 LDDDESEGEFTVRDGYIHYGQTVKLVCSVTGMALPRLIIRKVDKQTALLDADDPVSQLHKCAFYLKDE  
 RMYLCLSQERIIQFQATPCPKPNKEMINDGASWTIISTDKAEYTFYEGMPVLPVTPVPVVESLQLNG  
 GGDVAMLELTGQNFTPNLRVWFGDVEAETMYRCGESMLCVVPDISAFREGWRWVQPVPVTLVRNDGI  
 IYSTSLTFTYTPPEGPRPHCSAAGAILRANSSQVPPNESNTNSEGSYTNASTNSTSVTSSTATVVS

**TRTRPLE - GFP Tag - V**

**Restriction Sites:**

Sgfl-Mlul

**Cloning Scheme:**


**ACCN:** NM\_203284

**ORF Size:** 1458 bp

**OTI Disclaimer:** 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\\_203284.3](#)

**RefSeq Size:** 2499 bp

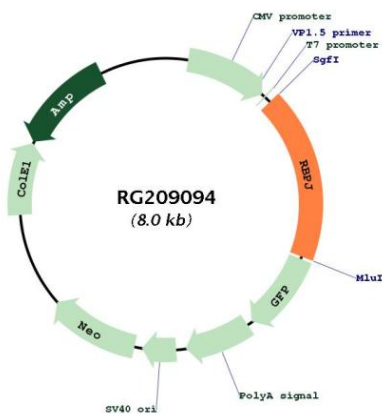
**RefSeq ORF:** 1461 bp

**Locus ID:** 3516

**UniProt ID:** [Q06330](#)

<b>Cytogenetics:</b>	4p15.2
<b>Protein Families:</b>	Transcription Factors
<b>Protein Pathways:</b>	Notch signaling pathway
<b>Gene Summary:</b>	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 RG209094