

## Product datasheet for **RC238679**

### **RBPSUHL (RBPJL) (NM\_001281449) Human Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	RBPSUHL (RBPJL) (NM_001281449) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	RBPJL
Synonyms:	RBPL; RBPSUHL; SUHL
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**ORF Nucleotide Sequence:**

>RC238679 representing NM\_001281449  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGACCCCGCAGGGCAGCAGACCCTCAGTGCCTCCCAATCCTTTGACTCACCTGAGCCTGCAGGACA  
 GATCAGAGATGCAGCTGCAGAGCGAAGCCGACAGGCGGAGCCTCCCGGGCACTTGGACCAGTGCATCCCC  
 AGAGCACACCACCATCTGAGGGGAGGCGTGCGCAGGTGCTGCAGCAACAGTGTGAACAGACTGTGCGG  
 ATCCTGCATGCCAAGGTGGCCAGAAATCATACGGAAATGAGAAGCGGTTCTTCTGCCCCCGCCCTGTG  
 TCTACCTCTCGGGCCTGGCTGGAGGTGAAGCCAGGGCAGGATCAAGCTCACCAGGCGGGGAAACGGG  
 GCCACGGTCTGCGGTTACATGGGACTGGACAGCGCTCCGGCAGCGCCACTGAGACGCAGAAGCTGAAT  
 TTCGAGCAGCAGCCGACTCCAGGAATTCGGCTGCGCCAAGACCCTGTACATCTCAGATGCAGACAAGA  
 GGAAGCACTTTCGGCTGGTGTGCTGCGGCTGGTGTGCGCGGGGGCCGGGAGCTGGTACCTCCACAGCCG  
 CCTTATCAAGTGCATCTCGAAGCCCTCGCAGAAGAAGCAGTCGTAAGAAACACCGATCTGTGCATATCC  
 TCCGGCTCAAAGTCTCCCTCTTCAACCGCTGCGCTCTCAGACGGTCTCCACACGCTACCTCTCTGTGG  
 AGGATGGGGCCTTTGTGGCCAGTGCACGACAGTGGGCTGCCTTACGCTCCACCTGGCTGATGGGCACTC  
 TGCCAAAGGAGACTTCCCACCGGAGAGGGCTACGTTTCGCTATGGCTCCCTGGTGCAGCTCGTGCACG  
 GTCACCGGCATCACACTACCTCCCATGATCATCCGTAAGTAGCAAAACAGTGTGCGCTCCTTGATGTGG  
 ATGAGCCCATCTCCAGCTGCACAAGTGTGCAATTCAGGTTCCAGGCAGTCCCCAGGAGGGGTGGCAC  
 CTACTTATGCCTTGCCACAGAGAAGGTGGTGAATTTCCAGGCTCTCCCTGCCCAAGGAGGCGAACAGG  
 GCTCTGCTTAACGACAGCTCTTGTGGACCATCATCGCACCGAGTCGGTGAATTTTCTTCCAGCACCA  
 GCTGGCGTGTACCTGGAGCCGGTCACTCCGGTGCCTCTCATCAGCACCCCTAGAGCTGAGCGCGGGGG  
 CGACGTGGCCACGCTGGAGCTCCACGGAGAGAACTTCCACGCGGGGCTCAAGGTGTGGTTTGGGGAGCTG  
 GAGGCAGAAACCATGTACAGCCCGGTCCTGGTGTGCGTGGTCCCGGACGTGGCGCCTTCTGCAGCG  
 ACTGGCGTGGCTGCGCGCTCCCATCACAATCCCATGAGCCTGGTGCAGCGCCGACGGGCTCTTCTACCC  
 TAGTGCCTTCTCCTTACCTACACCCCGGAATACAGCGTGCAGCGGGGTACCCCGGCGTCCCGAGCCC  
 GCCACCGACCGCAGCGCTCCTGGAGAGCATCCATCAGGAGTTCACGCGCACCAACTTCCACCTTCTCA  
 TCCAGACT

**ACGCGT**ACGCGGGCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RC238679 representing NM\_001281449  
 Red=Cloning site Green=Tags(s)

MDPAGAADPSVPPNPLTHLSLQDRSEMQLQSEADRRSLPGTWTRSSPEHTTILRGGVRRCLQQQCEQTVR  
 ILHAKVAQKSYGNEKRFFCPPPCVYLSGPGWRVKPGQDQAHQAGETGPTVCGYMGGLDSASGSATETQKLN  
 FEQQPDSREFGCAKTLYISDADKRKHFRLLVRLVLRGGRELGFHRSRLIKVISKPSQKKQSLKNTDLCIS  
 SGSKVSLFNRLRSQTVSTRYL SVEDGAFVASARQWAAFTLHLADGHSAQGDFPPREGYVRYGSLVQLVCT  
 VTGITLPPMIIRKVAKQCALLDVEPISQLHKCAFQFPGSPGGGGTYLCLATEKVVFQASPCPKEANR  
 ALLNDSSCWTIIGTESVEFSFSTSLACTLEPVTVPVPLISTLELSGGGDVATLELHGENFHAGLKVWFQDV  
 EAETMYSRSLVCVVPDVAAFCSWRWLRAPITIPMSLVRADGLFYPSAFSFTYTPYESVRPGHPVPEP  
 ATDADALLESIHQEFTRTNFHLFIQT

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

Sgfl-MluI

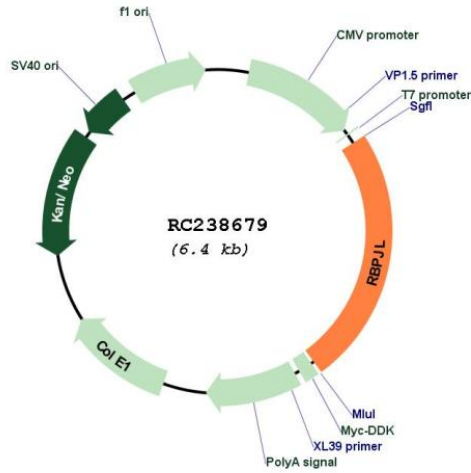
Cloning Scheme:

Cloning sites used for ORF Shutting:



\* The last codon before the Stop codon of the ORF

Plasmid Map:



<b>ACCN:</b>	NM_001281449
<b>ORF Size:</b>	1548 bp
<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_001281449.2</a>
<b>RefSeq Size:</b>	2496 bp
<b>RefSeq ORF:</b>	1551 bp
<b>Locus ID:</b>	11317
<b>UniProt ID:</b>	<a href="#">Q9UBG7</a>
<b>Cytogenetics:</b>	20q13.12
<b>Protein Families:</b>	Druggable Genome, Transcription Factors
<b>Protein Pathways:</b>	Notch signaling pathway
<b>MW:</b>	57 kDa
<b>Gene Summary:</b>	This gene encodes a member of the suppressor of hairless protein family. A similar protein in mouse is a transcription factor that binds to DNA sequences almost identical to that bound by the Notch receptor signaling pathway transcription factor recombining binding protein J. The mouse protein has been shown to activate transcription in concert with Epstein-Barr virus nuclear antigen-2. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jul 2013]