

## Product datasheet for RC212923

### YBEY (NM\_058181) Human Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** YBEY (NM\_058181) Human Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** YBEY  
**Synonyms:** C21orf57  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**ORF Nucleotide Sequence:** >RC212923 representing NM\_058181  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGAGTTTGGTGATTAGAAATCTGCAGCGAGTCATCCCCATCAGGAGAGCGCCACTTCGCAGTAAGATCG  
AGATTGTAAGGAGGATTTTAGGAGTGCAGAAATTTGACCTGGGGATCATCTGTGTTGACAACAAGAATAT  
TCAGCACATTAATAGAATCTACAGAGATAGAAATGTCCAACCGATGTGCTTTCTTTCCATTTTCATGAG  
CATCTGAAAGCAGGTGAATTTCCCAGCCTGATTTCCAGATGACTACAATTTGGGAGACATTTTCCTAG  
GAGTGGAGTATATCTTCCATCAGTGTAAAGAAAATGAAGATTACAATGACGTCCTGACTGTGACGGCCAC  
CCACGGACTCTGTCACTTGCTGGGATTCACACACGGCAGGAGGAGGAGTGGCAGCAGATGTTCCAGAAG  
GAGAAGGCGGTGCTGGACGAGCTGGGCCGACGCACGGGGACCCGGCTGCAGCCCCGACCCGGGGCTCT  
TCGGAGGGAGC

**ACGCGT**ACGCGGGCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >RC212923 representing NM\_058181  
Red=Cloning site Green=Tags(s)

MSLVIRNLQRVIPIRRAPLRSKIEIVRRILGVQKFDLGIICVDNKNIQHINRIYRDRNVPTDVLSPFFHE  
HLKAGEFPQDFPDDYNLGDIFLGVEYIFHQCKENEDYNDVLTATATHGLCHLLGFTHGTEAEWQMFQK  
EKAVLDELGRRTGTRLQPLTRGLFGGS

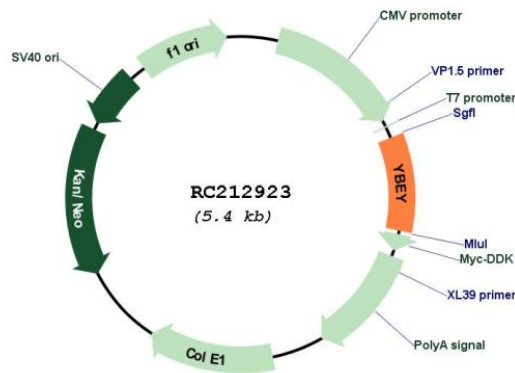
**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI



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**Cloning Scheme:**

**Plasmid Map:**


**ACCN:** NM\_058181

**ORF Size:** 501 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.

<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_058181.3</a>
<b>RefSeq Size:</b>	1058 bp
<b>RefSeq ORF:</b>	504 bp
<b>Locus ID:</b>	54059
<b>UniProt ID:</b>	<a href="#">P58557</a>
<b>Cytogenetics:</b>	21q22.3
<b>MW:</b>	19.1 kDa
<b>Gene Summary:</b>	This gene encodes a highly conserved metalloprotein. A similar protein in bacteria acts as an endoribonuclease, and is thought to function in ribosomal RNA maturation and ribosome assembly. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Sep 2015]