

## Product datasheet for **RC206862**

### **BUD31 (NM\_003910) Human Tagged ORF Clone**

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** BUD31 (NM\_003910) Human Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** BUD31  
**Synonyms:** Cwc14; EDG-2; EDG2; fSAP17; G10; YCR063W  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**ORF Nucleotide Sequence:** >RC206862 ORF sequence  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGCCTAAAGTCAAAGAAGCCGAAAGCACCCCCAGATGGCTGGGAGTTGATTGAGCCAACACTGGATG  
AATTAGATCAAAGATGAGAGAAGCTGAAACAGAACCGCATGAGGGAAAGAGGAAAGTGGAAATCTCTGTG  
GCCCATCTTCAGGATCCACCACCAGAAAACCCGCTACATCTTCGACCTCTTTACAAGCGGAAAGCCATC  
AGCAGAGAAGCTATGAATATTGTATTAAGAAGGCTATGCAGACAAAAACCTGATTGCAAATGGAAAA  
AGCAAGGATATGAGAAGTTGTGCTGCCTGCGGTGCATTCAGACACGGGACCAACTTCGGGACGAACTG  
CATCTGCCGCGTGCCCAAAGCAAGCTGGAAGTGGGCCGCATCATCGAGTGCACACACTGTGGCTGTCGT  
GGCTGCTCTGGC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >RC206862 protein sequence  
Red=Cloning site Green=Tags(s)  
MPKVRSRKAPPDGWELIEPTLDELQKMREAETEPHEGKRKVESLWPIFRIHHQKTRYIFDLFYKRKAI  
SRELYEYCIKEGYADKNLIAKWKQGYENLCCLRCIQTRDTNFGTNCICRVPSKLEVGRIIECTHCGR  
GCSG

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:** [https://cdn.origene.com/chromatograms/mk6426\\_a11.zip](https://cdn.origene.com/chromatograms/mk6426_a11.zip)



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Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM\_003910

ORF Size: 432 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

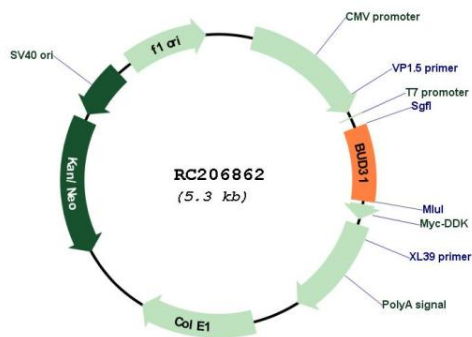
RefSeq: [NM\\_003910.4](#)

RefSeq Size: 1060 bp

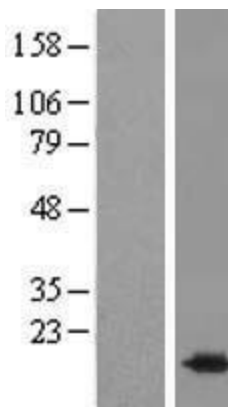
RefSeq ORF: 435 bp

**Locus ID:** 8896  
**UniProt ID:** [P41223](#)  
**Cytogenetics:** 7q22.1  
**Domains:** G10  
**Protein Families:** Transcription Factors  
**Protein Pathways:** Spliceosome  
**MW:** 17 kDa  
**Gene Summary:** Involved in the pre-mRNA splicing process (PubMed:28502770, PubMed:28076346). May play a role as regulator of AR transcriptional activity; may increase AR transcriptional activity (PubMed:25091737).[UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for RC206862



Western blot validation of overexpression lysate (Cat# [LY418340]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC206862 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).