

## Product datasheet for RC231107

### DBNDD2 (NM\_018478) Human Tagged ORF Clone

#### Product data:

Product Type: Expression Plasmids  
 Product Name: DBNDD2 (NM\_018478) Human Tagged ORF Clone  
 Tag: Myc-DDK  
 Symbol: DBNDD2  
 Synonyms: C20orf35; CK1BP; HSMNP1  
 Mammalian Cell Selection: Neomycin  
 Vector: pCMV6-Entry (PS100001)  
 E. coli Selection: Kanamycin (25 ug/mL)  
 ORF Nucleotide Sequence: >RC231107 representing NM\_018478  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGGTGCGGGTAACTTTTTGACCGCCTTGAAGTACCAGTAGCCGCGCTCGCAGGGGCTGCCTCCGACC  
 GCCGGGCGAGCTGCGAGCGAGTGAGCCCGCCACC GCCCTCCCCACTTCCGCCTCCCGCTCTTCCTCG  
 TTCCCGGCTCCCAGGGCCCGTGTCCAGGCCGAGCCAGGGGCCCACTGTTGGGATGCTGGCTGCAGTGG  
 GCGCCCCAAGCCAGGTCCCCTCTGTCTTCTTTTCGACTTTGCAGCTGTACTTGTGGTCTCTAC  
 CCGCAGGAGCTGACATGGACCCAAATCCTCGGGCCGCCCTGGAGCGCCAGCAGCTCCGCCTCGGGAGCG  
 GCAAAAATTCCTCGAGGACATTTTACAGCCAGAGACAGAGTTTGTCTTTCCTCTGTCCCATCTGCATCTC  
 GAGTCGCAGAGACCCCCATAGGTAGTATCTCATCCATGGAAGTGAATGTGGACACACTGGAGCAAGTAG  
 AACTTATTGACCTTGGGGACCCGGATGCAGCAGATGTGTTCTTGCCTTGCGAAGATCCTCCACCAACCCC  
 CCAGTCGTCTGGGATGGACAACCATTTGGAGGAGCTGAGCCTGCCGGTGCCTACATCAGACAGGACCACA  
 TCTAGGACCTCCTCCTCCTCCTCCGACTCCTCCACCAACCTGCATAGCCAAATCCAAGTGATGATG  
 GAGCAGATACGCCCTTGGCACAGTCGGATGAAGAGGAGGAAAGGGGTGATGGAGGGGCAGAGCCTGGAGC  
 CTGCAGC

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >RC231107 representing NM\_018478  
Red=Cloning site Green=Tags(s)

MGAGNFLTALEVPVAALAGAASDRRASCERVSPPPPLPHFRLPPLPRSRPLPGPVS RPEPGAPLLGCWLQW  
 GAPSPGPLCLLFR LCSCTCFAPLPAGADMDPNPRAALERQQLRLRERQKFFEDILQPETEFVPLSHLHL  
 ESQRPPIGSISSMEVNDTLEQVELIDLGDPAADVFLPCEDPPPTPQSSGMDNHLEELSLPVPTSDRTT  
 SRTSSSSSSDSTNLHSPNP SDDGADTPLAQSDEEEERGDGGAEPGACS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



**ACCN:** NM\_018478

**ORF Size:** 777 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\\_018478.3](#), [NP\\_060948.3](#)

**RefSeq ORF:** 780 bp

**Locus ID:** 55861

**UniProt ID:** [Q9BQY9](#)

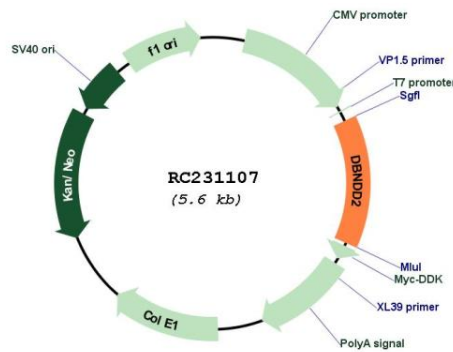
**Cytogenetics:** 20q13.12

**Domains:** DUF546

**MW:** 28.1 kDa

**Gene Summary:** May modulate the activity of casein kinase-1. Inhibits CSNK1D autophosphorylation (in vitro). [UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for RC231107