

Product datasheet for **RG231107**

DBNDD2 (NM_018478) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: DBNDD2 (NM_018478) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: DBNDD2
Synonyms: C20orf35; CK1BP; HSMNP1
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG231107 representing NM_018478
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGC**C

ATGGGTGCGGGTAACTTTTTGACCGCCTTGAAGTACCAGTAGCCGCGCTCGCAGGGGCTGCCTCCGACC
 GCCGGGCGAGCTGCGAGCGAGTGAGCCCGCCACCGCCCTCCCCACTTCCGCCTCCCGCTTTCCTCG
 TTCCCGGCTCCAGGGCCGTGTCCAGGCCGAGCCAGGGGCCCACTGTTGGGATGCTGGCTGCAGTGG
 GCGCCCCAAGCCAGGTCCCTCTGTCTTCTTTTCGACTTTGCAGCTGTACTTGTGGTCTCTAC
 CCGCAGGAGCTGACATGGACCCAAATCCTCGGGCCGCTGGAGCGCCAGCAGCTCCGCCTCGGGAGCG
 GCAAAAATTCCTCGAGGACATTTTACAGCCAGAGACAGAGTTTGTCTTTCCTCTGTCCCATCTGCATCTC
 GAGTCGCAGAGACCCCCATAGGTAGTATCTCATCCATGGAAGTGAATGTGGACACACTGGAGCAAGTAG
 AACTTATTGACCTTGGGGACCCGGATGCAGCAGATGTGTTCTTGCCTTGCGAAGATCCTCCACCAACCCC
 CCAGTCGTCTGGGATGGACAACCATTTGGAGGAGCTGAGCCTGCCGGTGCCTACATCAGACAGGACCACA
 TCTAGGACCTCCTCCTCCTCCTCCGACTCCTCCACCAACCTGCATAGCCAAATCCAAGTGATGATG
 GAGCAGATACGCCCTTGGCACAGTCGGATGAAGAGGAGGAAAGGGGTGATGGAGGGGCAGAGCCTGGAGC
 CTGCAGC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG231107 representing NM_018478
Red=Cloning site Green=Tags(s)

MGAGNFLTALEVPVAALAGAASDRRASCERVSPPPPLPHFRLPPLPRSRPLPGPVS RPEPGAPLLGCWLQW
 GAPSPGPLCLLFRLCSCTCFAPLPAGADMDPNRAALERQQLRLRERQKFFEDILQPETEFVFPLSHLHL
 ESQRPPIGSISSEVNVDTLEQVELIDLGDPAADVFLPCEDPPPTPQSSGMDNHLEELSLPVPTSDRTT
 SRTSSSSSSSDSSTNLHSPNPSDDGADTPLAQSDEEEERGDGGAEPGACS

TRTRPLE - GFP Tag - V

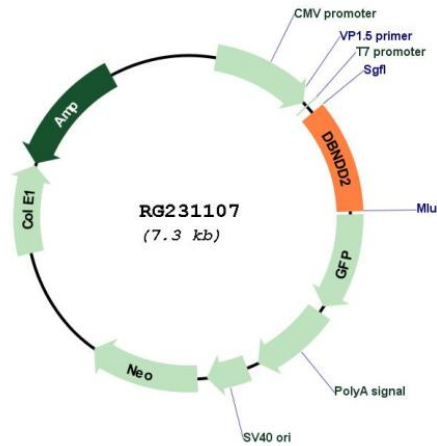
Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



Plasmid Map:



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:	<ol style="list-style-type: none">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 Size:	1486 bp
RefSeq ORF:	780 bp
Locus ID:	55861
UniProt ID:	Q9BQY9
Cytogenetics:	20q13.12
Domains:	DUF546
Gene Summary:	May modulate the activity of casein kinase-1. Inhibits CSNK1D autophosphorylation (in vitro). [UniProtKB/Swiss-Prot Function]