

Product datasheet for **RG214187**

DBNDD2 (NM_001048223) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: DBNDD2 (NM_001048223) 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: >RG214187 representing NM_001048223
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGACCCAAATCCTCGGGCCGCCCTGGAGCGCCAGCAGCTCCGCCTTCGGGAGCGGCAAAAATTCTTCG
 AGGACATTTTACAGCCAGAGACAGAGTTTGTCTTCTCTGTCCCATCTGCATCTCGAGTCGAGAGACC
 CCCCATAGGTAGTATCTCATCCATGGAAGTGAATGTGGACACACTGGAGCAAGTAGAACTTATTGACCTT
 GGGGACCCGGATGCAGCAGATGTGTTCTTGCCTTGCGAAGATCCTCCACCAACCCCCAGTCGTCTGGGA
 TGGACAACCATTTGGAGGAGCTGAGCCTGCCGGTGCCTACATCAGACAGGACCACATCTAGGACCTCCTC
 CTCTCTCTCCGACTCCTCCACCAACCTGCATAGCCCAAATCCAAGTGATGATGGAGCAGATACGCC
 TTGGCACAGTCGGATGAAGAGGAGGAAAGGGGTGATGGAGGGGCAGAGCCTGGAGCCTGCAGC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG214187 representing NM_001048223
 Red=Cloning site Green=Tags(s)

MDPNPRAALERQQLRLRERQKFFEDILQPETEFVFLSHLHLESQRPPIGSISSMEVNVDTLEQVELIDL
 GDPDAADVFLPCEDPPPTPQSSGMDNHLEELSLPVPTSDRTTSRTSSSSSSDSSTNLHSPNPSDDGADTP
 LAQSDEEEERGDGGAEPGACS

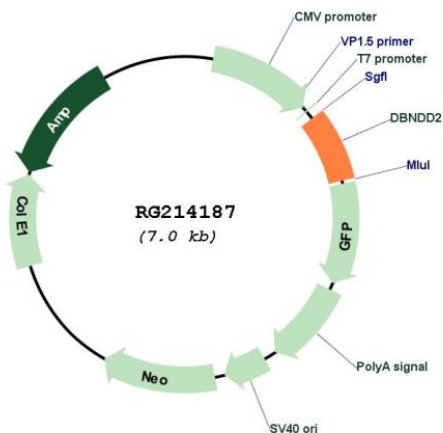
TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-MluI



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Cloning Scheme:

Plasmid Map:


ACCN: NM_001048223

ORF Size: 483 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.

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|-------------------------------|---|
| 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: | <u>NM_001048223.3</u> |
| RefSeq Size: | 1120 bp |
| RefSeq ORF: | 486 bp |
| Locus ID: | 55861 |
| UniProt ID: | <u>Q9BQY9</u> |
| Cytogenetics: | 20q13.12 |
| Gene Summary: | May modulate the activity of casein kinase-1. Inhibits CSNK1D autophosphorylation (in vitro). [UniProtKB/Swiss-Prot Function] |