

Product datasheet for **RC223341**

Doppel (PRND) (NM_012409) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Doppel (PRND) (NM_012409) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: Doppel
Synonyms: dj1068H6.4; DOPPEL; DPL; PrPLP
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >RC223341 representing NM_012409
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAGGAAGCACCTGAGCTGGTGGTGGCTGGCCACTGTCTGCATGCTGCTCTTCAGCCACCTCTCTGCGG
TCCAGACGAGGGGCATCAAGCACAGAATCAAGTGAACCGGAAGGCCCTGCCAGCACTGCCAGATCAC
TGAGGCCAGGTGGCTGAGAACC GCCGGGAGCCTTCATCAAGCAAGGCCGAAGCTCGACATTGACTTC
GGAGCCGAGGGCAACAGGTACTACGAGGCCAACTACTGGCAGTCCCCGATGGCATCCACTACAACGGCT
GCTCTGAGGCTAATGTGACCAAGGAGGCATTTGTACCGGCTGCATCAATGCCACCCAGGCGGCGAACCA
GGGGGAGTTCAGAAGCCAGACAACAAGCTCCACCAGCAGGTGCTCTGGCGGCTGGTCCAGGAGCTCTGC
TCCTCAAGCATTGCGAGTTTTGGTTGGAGAGGGCGCAGGACTCGGGTACCATTGCACCAGCCAGTGC
TCCTCTGCCTTCTGGCTTTGATCTGGCTCACGGTAAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTAA

Protein Sequence: >RC223341 representing NM_012409
Red=Cloning site Green=Tags(s)

MRKHLSSWWLATVCMLLFSHLSAVQTRGIKHKRIKWRKALPSTAQITEAQAENRPGAFIKQGRKLDIDF
GAENRYEANYWQFPDGIHYNGCSEANVTKEAFVTGCINATQAANQGEFQKPDNKLHQVLRVQELC
SLKHCFWLERGAGLRVTMHQPVLCLLALIWLTVK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk8045_g04.zip



[View online »](#)

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_012409

ORF Size: 528 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.

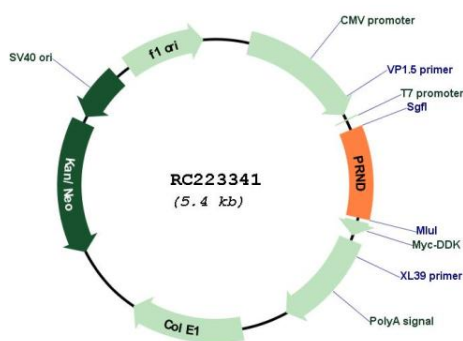
RefSeq: [NM_012409.4](#)

RefSeq Size: 4047 bp

RefSeq ORF: 531 bp

Locus ID: 23627
UniProt ID: [Q9UKY0](#)
Cytogenetics: 20p13
Protein Families: Druggable Genome, Transmembrane
MW: 20.29 kDa
Gene Summary: This gene is found on chromosome 20, approximately 20 kbp downstream of the gene encoding cellular prion protein, to which it is biochemically and structurally similar. The protein encoded by this gene is a membrane glycosylphosphatidylinositol-anchored glycoprotein that is found predominantly in testis. Mutations in this gene may lead to neurological disorders. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RC223341