

Product datasheet for MR201597

D2Wsu81e (BC078441) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: D2Wsu81e (BC078441) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: D2Wsu81e
Synonyms: 9930028P05; AL033358
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR201597 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGAAGAAACTGGAGCGGCAGCGTGCCTAAGAGGAAGAGGCTAAACGCCAGGAAGAGGAGGAAGAGGCGG
 CGGCCAGAGGAGCAACCAAGGACGGCTTACACTCTGAGTGTGGCCCTGCCAGGCTCCATCCTGGACAA
 TGCCAGTCACCTGAGCTCCGCACCTACCTGGCTGGCCAGATCGCCAGAGCCTGCACCATCTTCTGTGTG
 GATGAGATTGTGGTGTTCGATGAGGAGGCCAAGATACCAAGAGTGTGGAAGGAGAATTCAGGGGAGTTG
 GCAAGAAAGGGCAGGCATGTGTCCAGCTGGCCCGCATCCTACAGTACCTGGAGTGTCCACAGTACCTGAG
 AAAGGCGTTCTTCCCAAGCACCAAGATCTGCAGTTTGCAGGAATCCTCAACCCCTTGGACAGCCCTCAC
 CACATGCGTCAGGACGAAGAGTCTGAGTTTCGAGAAGGCGTCGTGGTGGACCGGCCACCAAGGCAGGCC
 ATGGCTCTTTGGTCAACTGTGGAATGAAGAAGCTTCTCTTCAGGAGG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR201597 protein sequence
 Red=Cloning site Green=Tags(s)

MKKLERQRAQEEAAKRQEEEEAAAQRSNQGRPYTL SVALPGSILDNAQSPELRTYLAGQIARACTIFCV
 DEIVVFDEEGQDTKSVGEFRGVGKKGQACVQLARILQYLECPQYLRKAFFPKHQDLQFAGILNPLDSPH
 HMRQDEESEFREGVVDRPTKAGHGSLVNCGMKLLFRR

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI



Cloning Scheme:


ACCN: BC078441

ORF Size: 537 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: [BC078441](#), [AAH78441](#)

RefSeq Size: 2440 bp

RefSeq ORF: 539 bp

Locus ID: 227695

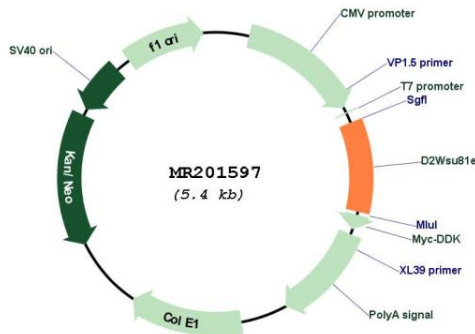
Cytogenetics: 2 21.29 cM

MW: 20.3 kDa

Gene Summary:

Required for association of the centrosomes with the poles of the bipolar mitotic spindle during metaphase. Also involved in chromosome alignment. May promote centrosome maturation probably by recruiting A-kinase anchor protein AKAP9 to centrosomes in early mitosis. Binds specifically to miRNA MIR145 hairpin, regulates MIR145 expression at a postranscriptional level (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR201597