

Product datasheet for MR205256

Dsn1 (NM_025853) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Dsn1 (NM_025853) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Dsn1
Synonyms:	1700022L09Rik; AW552447
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR205256 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGACGTCAGTGACCAGATCAGAAGACCAGGAACCCACGATGTCCGAGACTCAGGATCGTCCATTGCAGC
CAAGTCTCAAGCCTTTGGAAGCATTGCCTCAATCCTCTGCCTACCAGGAAATGATGACGCAAGGCGTTTC
AGAGGAAAAAACACCTTGGCTCGAACCTGGAGAGGGGAAAGTTGTGGTGCCGACCACCAGGAGGGA
TCTCAGTTGAGGTCCTTTCATTTGTCCCCTCAAGAACAGTCTATCCGTCCTCAAGACAGAAGGCAGTCTC
GGAGACGAGCAAGCATGAAAGAAGTAAACCGCGGAAGTCATTGGCTCCCTTCCACCCAGGCATCACAGA
GCTCTGCAGGTCCATCAGTGTGAAGTTAGCCAGAGCCAACGGCTGGGCGCCCTCCTGCTCTCCAGCTTC
CAGTTCTCTGTTGAAAACTTGAACCTTCTTAAAGAACACTAAGGACTTCAGCCTTGAATGTTTTAGAG
CGAAAGCATCTTCTCTCTGAAGAATTGAAACATTTTACAGACAGGCTGGGAAATGATGGAACACTGCA
AAAATGTTTTGTTGAAGATTCAAAAGAAAAAGCAGCAGATTTTTCACTGGAAGCATCAGTAGCTGAGGTG
AAAGAATATAACAAAGTTTTCTTTAGAGCGTCAGGCCCTGGATCGGCTCTTACTGCAGTACCAGAACG
AGGTTCCACCTGAAGAGATGCCAGAGGATCAACTGAAACCAGAATCACTGAAGTCAAGGTGGATCCTGC
AGCCTACCTCAGGTCTTCCAGAAGGAAGTTCTTAGCACGAAGCCAGACTACCAGAGAATAGTACAAGT
CAGAACCAAGTCTTTGCCTACGTGGAGTTAGTGATGGATGAGTCCAAGGATCAGTGAAGCAGCTGCAAG
CCCTCATGGATGAGAGTACTCAGTACCTCCAGAAGGTGTCAAGTACAGCTCAAGAAGAGAAGTATGGACCA
ATTAGACTCTTCACCTGCTCGGAAACTGCTCAAGCTCCCCCTCCAGAGCTCACCTTCCACGCAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR205256 protein sequence
 Red=Cloning site Green=Tags(s)

MTSVTRSEDEPTMSETQDRPLQPSLKPLEALPQSSAYQEMMTQGVSEEKNHLGSNPGEGESCGADHQEG
 SQLRSFHLSPQEQSIRPQDRRQSWRRASMKVEVNRKSLAPFHPGITELCRSISVKLAQSQRGALLLSSF
 QFSVEKLEPFLLKNTKDFSLFCFRKASSLSEELKHFTDRLGNDGTLQKCFVEDSKEKAADF SLEASVAEV
 KEYITKFSLERQAWDRLLLQYQNEVPPEEMPRGSTETRITEVKVDPAAAYLRSSQKEVLSTKPDYQRIVQD
 QNQVFAYVELVMDELQGSYKQLQALMDESTQYLQKVSVQLKKRSMQDL DSSPARKLLKPLQSSPSTQ

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_025853

ORF Size: 1047 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_025853.3](#)

RefSeq Size: 2283 bp

RefSeq ORF: 1047 bp

Locus ID: 66934

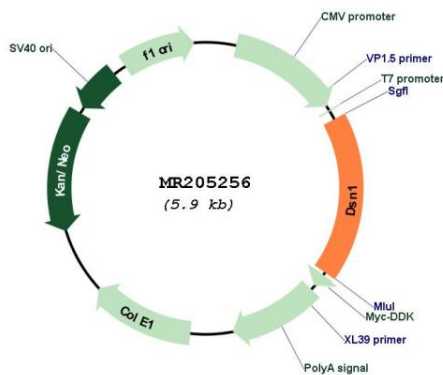
UniProt ID: [Q9CYC5](#)

Cytogenetics: 2 H1

MW: 39.6 kDa

Gene Summary: Part of the MIS12 complex which is required for normal chromosome alignment and segregation and kinetochore formation during mitosis.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR205256