

Product datasheet for RC226604

DSN1 (NM_001145315) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	DSN1 (NM_001145315) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	DSN1
Synonyms:	C20orf172; dj469A13.2; hKNL-3; KNL3; MIS13
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC226604 representing NM_001145315 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC

ATGACTTCAGTGACTAGATCAGAGATCATAGATGAAAAAGGACCAGTGATGTCTAAGACTCATGATCATC
AATTGGAATCAAGTCTCAGTCTGTGGAAGTGTTGCTAAAACATCTGCCTCCCTGGAGATGAATCAAGG
CGTTTCAGAGGAAAGAATTCACCTTGGCTCTAGCCCTAAAAAGGGGAAATTGTGATCTCAGCCACCAG
GAAAGACTTCAGTCGAAGTCCCTTCATTTGTCTCCTCAAGAACAATCTGCCAGTTATCAAGACAGGAGGC
AATCCTGGCGGCGAGCAAGTATGAAAGAAACGAACCGGCGGAAGTCGCTGCATCCATTCACCAGGGCAT
CACAGAGCTCAGCCGGTCTATCAGTGTCGATTTAGCAGAAAGCAAACGGCTTGGCTGTCTCTGCTTTCC
AGTTTCCAGTTCTCTATTAGAACTTGAACCTTTCTAAGGGACACTAAGGGCTTCAGTCTTGAAGTT
TTAGAGCCAAAGCATCTTCTCTTTCTGAAGAATTGAAACATTTTGCAGACGGACTGGAACTGATGGAAC
TCTACAAAAATGTTTTGAAGATTCAAATGGAAAAGCATCAGATTTTTCTTTGGAAGCATCTGTGGCTGAG
ATGAAGGAATACATAACAAAGTTTTCTTTAGAACGTCAGACTTGGGATCAGCTCTTGCTTCACTACCAGC
AGGAGGCTAAAGAGATATTGTCCAGAGGATCAACTGAGGCCAAAATTACTGAGGTCAAAGTGAACCTAT
GACATATCTTGGGTCTTCTCAGAATGAAGTTCTTAATACAAAACCTGACTACCAGAAAATATTACAGAAC
CAGAGCAAAGTCTTTGACTGTATGGAGTTGGTGATGGAAGTCAAGGATCAGTGAACAGCTGCAGG
CCTTTATGGATGAAAGTACCCAGTGTCTCCAGAAGGTGTGATCAGCTCGGAAAAGAGAAGCATGCAACA
ATTAGATCCCTCACCAGCTCGAAAACCTGTTGAAGCTTCAGCTACAGAACCACCTGCCATACATGGATCT
GGATCTGGATCTTGTCAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC226604 representing NM_001145315
Red=Cloning site Green=Tags(s)

MTSVTRSEIIDEKGPVMSKTHDHQLESSLSPVEVFAKTSASLEMNQGVSEERIHLGSSPKKGGNCDLSHQ
 ERLQSKSLHLSPQEQSASYQDRRQSWRRASMKETNRRKSLHPIHQGITELSRISVDLAESKRLGCLLLS
 SFQFSIQKLEPFLRDTKGF SLESFRAKASSLSEELKHFADGLETDLQKCFEDSNGKASDF SLEASVAE
 MKEYITKFSLERQTDWQLLLLHYQQEAKEILSRGSTEAKITEVKVEPMTYLGSSQNEVLNTPDYQKILQN
 QSKVFDCMELVMDELQGSVKQLQAFMDESTQCFQKVSQVLGKRSMQQLDPSARKLLKLQLQNPPAIHGS
 GSGSCQ

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mg4448_a09.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001145315

ORF Size: 1068 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_001145315.2](#)

RefSeq Size: 2249 bp

RefSeq ORF: 1071 bp

Locus ID: 79980

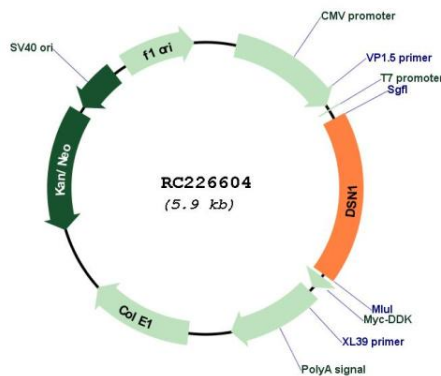
UniProt ID: [Q9H410](#)

Cytogenetics: 20q11.23

MW: 40.1 kDa

Gene Summary: This gene encodes a kinetochore protein that functions as part of the minichromosome instability-12 centromere complex. The encoded protein is required for proper kinetochore assembly and progression through the cell cycle. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Feb 2009]

Product images:



Circular map for RC226604