

Product datasheet for SC305191

DSN1 (NM_024918) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	DSN1 (NM_024918) Human Untagged Clone
Tag:	Tag Free
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)
Fully Sequenced ORF:	>SC305191 representing NM_024918. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGGATCGCC
ATGACTTCAGTGACTAGATCAGAGATCATAGATGAAAAAGGACCAGTGATGTCTAAGACTCATGATCAT
CAATTGGAATCAAGTCTCAGTCTGTGGAAGTGTGGTAAAACATCTGCCTCCCTGGAGATGAATCAA
GGCGTTTCAGAGGAAAGAATTCACCTGGCTCTAGCCCTAAAAAGGGGAAATTGTGATCTCAGCCAC
CAGGAAAGACTTCAGTCGAAGTCCCTTCATTTGTCTCCTCAAGAACAATCTGCCAGTTATCAAGACAGG
AGGCAATCCTGGCGGCGAGCAAGTATGAAAGAAACGAACCGCGGAAGTCGCTGCATCCCATTACCAG
GGCATCACAGAGCTCAGCCGGTCTATCAGTGTGATTTAGCAGAAAGCAAACGGCTTGGCTGTCTCCTG
CTTTCCAGTTTCCAGTCTCTATTACAGAACTTGAACCTTTCCTAAGGGACACTAAGGGCTTCAGTCTT
GAAAGTTTGTAGGCCAAAGCATCTTCTCTTTCTGAAGAATTGAAACATTTTGCAGACGGACTGAAACT
GATGGAATCTACAAAAATGTTTGAAGATTCAAATGGAAAAGCATCAGATTTTTCTTTGGAAGCATCT
GTGGCTGAGATGAAGGAATACATAACAAAGTTTCTTTAGAACGTGAGACTTGGGATCAGCTCTTGCTT
CACTACCAGCAGGAGGCTAAAGAGATATTGTCCAGAGGATCAACTGAGGCCAAAATTACTGAGGTCAA
GTGGAACCTATGACATATCTTGGTCTTCTCAGAATGAAGTTCCTAATACAAAACCTGACTACCAGAAA
ATATTACAGAACCAGAGCAAAGTCTTTGACTGTATGGAGTTGGTATGGATGAAGTGAAGTGAAGTCAAGT
AAACAGCTGCAGGCCTTTATGGATGAAAGTACCCAGTGCCTCCAGAAGGTGTCAGTACAGCTCGGAAAG
AGAAGCATGCAACAATTAGATCCCTCACCAGCTCGAAAACCTGTTGAAGCTTCAGCTACAGAACCCACCT
GCCATACATGGATCTGGATCTGGATCTTGTCAAGTGA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites:	Sgfl-MluI
ACCN:	NM_024918



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Insert Size:	1071 bp
OTI Disclaimer:	<p>Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>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</p>
OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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:	NM_024918.3
RefSeq Size:	2354 bp
RefSeq ORF:	1071 bp
Locus ID:	79980
UniProt ID:	Q9H410
Cytogenetics:	20q11.23
MW:	40.1 kDa
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (3) differs in the 5' UTR compared to variant 1. Variants 1, 2, and 3 encode the same isoform (1).</p>