

Product datasheet for **RG226634**

DSN1 (NM_001145317) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	DSN1 (NM_001145317) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	DSN1
Synonyms:	C20orf172; dj469A13.2; hKNL-3; KNL3; MIS13
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG226634 representing NM_001145317 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGACTTCAGTGACTAGATCAGAGATCATAGATGAGCTCAGCCGGTCTATCAGTGTGATTTAGCAGAAA
GCAAACGGCTTGGCTGTCTCCTGCTTTCCAGTTTCCAGTTCTCTATTCAGAACTTGAACCTTTCCTAAG
GGACACTAAGGGCTTCAGTCTTGAAGTTTTAGAGCCAAAGCATCTTCTTTCTGAAGAATTGAAACAT
TTTGCAGACGGACTGAAACTGATGGAAGCTACAAAAATGTTTTGAAGATTCAAATGGAAAAGCATCAG
ATTTTTCTTTGGAAGCATCTGTGGCTGAGATGAAGGAATACATAACAAAGTTTTCTTTAGAACGTCAGAC
TTGGGATCAGCTTGTCTCACTACCAGCAGGAGGCTAAAGAGATATTGTCCAGAGGATCAACTGAGGCC
AAAATTACTGAGGTCAAAGTGGAACTATGACATATCTTGGGTCTTCTCAGAATGAAGTTCTTAATACAA
AACCTGACTACCAGAAAATATTACAGAACCAGAGCAAAGTCTTTGACTGTATGGAGTTGGTGATGGATGA
ACTGCAAGGATCAGTGAACAGCTGCAGGCCTTATGGATGAAAGTACCCAGTGTCTCCAGAAGGTGCA
GTACAGCTCGAAAGAGAAGCATGCAACAATTAGATCCCTCACCAGCTCGAAAACGTTTGAAGCTTCAGC
TACAGAACCACCTGCCATACATGGATCTGGATCTGGATCTTGTTCAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG226634 representing NM_001145317
 Red=Cloning site Green=Tags(s)

MTSVTRSEIIDE LSRISV DLAESKRLGCLLLSSFQFSIQKLEPFLRDTKGFSLSEFRKASSLSEELKH
 FADGLETDGTLQKCFEDSNGKASDFSLEASVAEMKEYITKFSLERQTWDQLLLHYQQEAKEILSRGSTE
 A KITEVKVEPMTYLGSSQNEVLNTPDYQKILQNQSKVFDCEMELVMDLQGSVKQLQAFMDESTQCFQKVS
 VQLGKRSMQQLDPSARKLLKLQNPPIAHGSGSGSCQ

TRTRPLE - GFP Tag - V

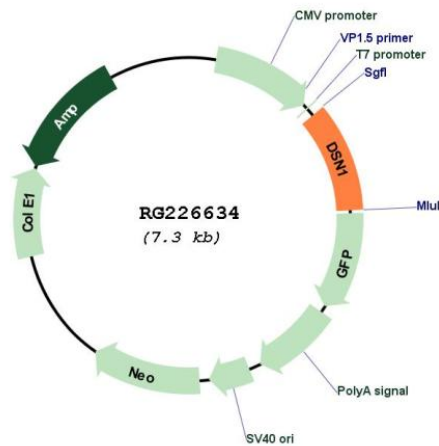
Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



Plasmid Map:



ACCN: NM_001145317

ORF Size: 747 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:	<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_001145317.2
RefSeq Size:	1928 bp
RefSeq ORF:	750 bp
Locus ID:	79980
UniProt ID:	Q9H410
Cytogenetics:	20q11.23
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]