

Product datasheet for **MC222359**

Drc7 (NM_001042715) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Drc7 (NM_001042715) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Drc7
Synonyms:	Ccdc135; Gm770; SRG-L; SRG-S
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC222359 representing NM_001042715
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGAGGTCCTGAGAGAGAAAGTGGAGGAGGAGGAGGCTGAGCGTGAAGAAGCAGCCGAGAGGGCCG
 AACGGAAGCTGAGAGAGGTGACAAAGTCCGCCAAGTGAGCAGAGAGGGACCATCCTGAGCCA
 GGATGAGCTTCGAGACCTGGAGGGGAAGCTGATGGCCATCGAGATCCCTACCCAAGCTGATCACTCGGT
 ATAAGCCAGGCCCTGTTGATGTCACCAAGCTGCCTCCTTCTATACCACCAACTCATTGAAGGAGGAGC
 ACCTGCTGCTGGTGGCAGACAATCTCCCGCCAGTACAGCCACCTGTGTCCAGACCGCGTGCCTCTCT
 CTTGCACCCGTTAAATGAGTGAATGTGCCTAAGTTCGTGAGCACCACCCTGAGGCCACACTGATGCC
 TACCCTGAAGTCTACAAGTGGGACAGCTGCGCCAGTTTGTATCTGACTTCTCACCATGGTCCCCTGG
 TTGATCCCCTCAAGCCGCCACGCATTATATTCTCGACCACCTGCTCAAGTCCAGAAGGGAAACTG
 CTTTGACTTCAGCACCCTGCTCTGCTCCATGTTGATTGGCTCCGGCTATGATGCCTACTGCGTCAATGGC
 TATGGCTCACTGGACCTGTGCCTCATGGACCTGACAAGGGAAGTGTGCCGCTCACTGTGAAGGCCAAAG
 AGATAGTCAAGAAGAAAGAGAAGACGGTGCCTAAGAAATACTCCATCAAGCCGCCCGGGACCTGACCAG
 CAAGTTTGAGCAGGAGCAAGAGGAGAAGAGAATACAGGAGATCAAGGATCTAGAACAAGGGCAGCTTAAG
 GAAGAGGAAGATCGCATCCTGGAGGCAGAGAAAGCGAAGCCCGACCCCTGCATGGCCTGCGGGTACACT
 CCTGGGTCCTGGTGTGGCAGGAAAGCGAGAGGTGCCTGAGAGCTTCTTCATCGACCCTCTGACTGCACG
 CAGCTACAGTACCAAGGATGAGCACTTCTGGGCATTGAGAGCCTCTGGAACCAAGAAGTACTGGATC
 AACATCGAGGATTGCTGGAAGTCTGCAAGGACTTGATCTTCGACCTGGGAGACCCTGTAAGTGGGAGT
 ACATGCTCTTGGGACCGATAAGCCTCACCTGTCTTCTGACTGAGGAGGATGAAGAAGGGCTGGATGATGA
 TGATGATGATGTGAAGACCTGGGCAAAGAAGAGGAGGATAAGAGCTTTGACATGCCGCTTTCGTGGGTC
 TCCAGATTGAGATCACCCAGAAGAGTTTGGACCCGTTGTCCAGTGGGAAGAAAGTATACAGTACA
 AGAAGGCACAGCTGGAGAAGTGGTCCCCATACCTCAACAACAACGGCCTGGTGTGTGCGCTCACCACTA
 CGAGGACCAACAGTGCACAAAGTTCTAGAGATAAAGGAGTGGTACCAGAACCAGGAGGATATGCTAGAG
 CTGAAGCACATCAACAAGACCACAGGCTGCACGTGGACTACTTCAAGCCAGGCCATCCCCAAGCTCTGT
 GTGTGCACTCATAAAGTCTATGCTACCTGAGATGGACCCGCTCATGGAGTTCTATAAAAAAATCCGTGT
 GGATGGCCTGGTGAAGCGGGAGGAGACGCCATGACAATGACCGAGTACTATGAAGGGCGCTCCGACTTC
 CTTGCCTATCGGCACGTCAATTTTGGACCCAGAGTCAAGAAGCTCAGCCAGAGCAGCGTGGAGTCAAGC
 CAAGGCCATGGTGAAAATCACAGAGCGGTTCTCCCGCAATCCAGAGAAGCCCGCGGATGAGGACGTGGC
 AGAGCGTTTGTCTGATAGTGAAGAGCGCATCCAGTTCGCTACCATTGCCGCGACGACTACATCACC
 GCATCCAAGCGAGAGTTCCTGCGGCGCATGGAGGTGACAGCAAGGGAAACAAGTATCATATGACACCAG
 AAATGTGCATCAGCTACGAGGTAGAGCCGATGGAGCACACTAAGAACTCCTCTACCAGTACGAGACCAT
 GAATCAGCTGAAGAACGAAGAAAAGCTGTCCCGACATCAGGCCTGGGAGTGGGAGCTGGAGGTGCTGGAG
 ATTTTGAAGTCCGTGAAGAGGAGGAGGAGGCACACACGCTGACCATCTCCATCTACGACACCAAGCGCA
 ACGAGAAGAGCAAAGAGTATCGGGAGGCCATGGAGCGCGTCTTGCATGAGGAGCACCTGCGGCAGGTGGA
 GGCCAGCTGGACTACCTGGCCCATTCCTGGCCAGCTCCCTCCAGCGGAGAAGCTAACCCGTTGGCAG
 GCGGTGCGTCTCAAGGACGAGTGTCTCAGCGACTTCAAGCAGCGGCTCATCGACAAGGCTAACCTCATCC
 AGGCTCGCTTTGAGAAGGAGACCCAGGAGCTGCAGAAGAAGCAGCAATGGTACCAGGAGAACCAGGTAAC
 CCTGACGCGGAGGATGAAAACCTGTACCTGAGCTACTGTTCTCAGGCCATGTTCCGCATCCGAATCTTG
 GAACAGCGGCTCAATCGGCACAAAGAGCTGGCTCCACTGAAGTACCTGGCGCTGGAGGAAAAGCTCTACA
 AAGACCCACGCTTAATAGACTTCGTAAGTCTTTGTT**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001042715
Insert Size: 2631 bp

OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
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:	<u>NM_001042715.3</u> , <u>NP_001036180.2</u>
RefSeq Size:	2832 bp
RefSeq ORF:	2631 bp
Locus ID:	330830
UniProt ID:	<u>Q6V3W6</u>
Cytogenetics:	8 C5
Gene Summary:	Component of the nexin-dynein regulatory complex (N-DRC) a key regulator of ciliary/flagellar motility which maintains the alignment and integrity of the distal axoneme and regulates microtubule sliding in motile axonemes. Involved in the regulation of flagellar motility. [UniProtKB/Swiss-Prot Function]