

Product datasheet for **RN201408**

Drc3 (NM_001013857) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Drc3 (NM_001013857) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Drc3
Synonyms:	Lrrc48; RGD1309150
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >RN201408 representing NM_001013857
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGC**C

ATGAGCCGGCGTATGACTCAATGGAGCCCAAAGTAATGGACGATGACATGCTCAAGGTAGCTGTTGGGG
 AGCAAGGGCCCCAGGAAGAGGCTGGGCAGCTAGCCAAGCAGGAAGGCATCCTCTTCAAAGATGTCCTGGC
 CCTGCAGCTGGACTTCCAGAATATCCTCCGCATAGATAACCTCTGGCAGTTTGAGAACCTGCGGAAGCTG
 CAGCTGAACAACAACATCATTGAGCGGATCGAGGGCCTGGAAAACCTCACACACCTGGTCTGGCTGGATT
 TGTCTTCAACAACATTGAGGCCATTGAGGGCCTGGATACCCTGGTCAACCTGGAGGACCTGAGCTTGTC
 CCATAACCGGATCTCCAAGATAGACTCTAGATCCCCTGGTGAATCTGCAGGTGCTGCTACTGGCAAT
 AACCAGATTAACAACATGATGAATATCATCTACCTGCGCCGGTCCCGTGCCTGCGAACACTCAGCCTCT
 CTGGGAATCCCGTTTCTGAGGCAGAGGAGTACAAGGTGTTTCATCTATGCCTACCTTCTGATCTCGTGTA
 CCTGGACTTCCGGCGGTTGATGAGCAGGCGAGGAGGTGGCGAAGATGAAGCATCAGTACAGCATTGAT
 GAGCTGAAGCACCAGGAGGCACTGATGCAGATCCGGCTGGAGGAGGAGCAGGCCAAGCAGCAGAAGCTGG
 CAGAGCATAAGATGGCATTGTTGAGCACCTGAATGGCCCTTCCTGTTTGACAGCATGTATCCGATGA
 TGTGGAGGGCAACAAGCTATCCTACCTGCCTGGTGTGGTGGAGCTCCTTGAAGCCTACAAGGACAAATTT
 GTCATCATCTGCCTGAACATTTTCGAGTATGGCCTGAGTCAGCAAGAAAAGCGAAAGATTGAGTTAGACA
 CCTTCAATGAGTGCATACAGGAGGCCATTACAGGAAAACAGGACCAGGGCAAGCTCAAGATTGCCAAGTT
 TGAGGAAAAACACCTGCTGAACCTTAAACGCCATCCGGGAAGAGAGCGATCTGTTACCATGGAGCAGAAG
 CTGACGGAGTGCAATGAGAGCATCACTGAGCTGTTCAACACGCTCATGATACTGGAGATGCAGCTGGTGG
 AGCAGCTGGAGGAGACCATAAATGTATTTGAAAGAAACATCACTGACTTGGTGGGACTATTTATTGAAAA
 TGTCCAAAGTCTGATCGCCCAAGTCCCGGACTTGGAGAACCATACCACGAGAAGCTCCTGGAGATTGCC
 ATCAACACCCTAGAGAAGATCCTCAAGGCGAGATGGATGAGGACTTACCGATGATGTGCGGGCACTTT
 TTGTTGACAAAGACACAATTGTTAACGCCGTTGGGGCATCACATGACATCCATCTCCTGAAGATTGACAA
 CCGGGAAGATGAGCTGGTACTGGAGTCAACTCTTGGTGTGCACATCTCGTAGACAAGATTACAAAAGAT
 GAGATCATGAGGAACCGTAAGCGAGTGAAGGAGATCAATCAATTCGTCGACCATATGCAGAGTGAAGTGG
 ACAACCTGGAATGTGGTGACATTATAGAC**TAG**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_001013857

Insert Size: 1572 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:	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_001013857.1, NP_001013879.1</u>
RefSeq Size:	1856 bp
RefSeq ORF:	1572 bp
Locus ID:	287371
UniProt ID:	<u>Q5XI54</u>
Cytogenetics:	10q22
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.[UniProtKB/Swiss-Prot Function]