

Product datasheet for **SC337502**

DRC7 (NM_001289163) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	DRC7 (NM_001289163) Human Untagged Clone
Tag:	Tag Free
Symbol:	DRC7
Synonyms:	C16orf50; CCDC135; CFAP50; FAP50
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >NCBI ORF sequence for NM_001289163, the custom clone sequence may differ by one or more nucleotides

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ATGGAGGTCCTGAGGGAGAAGGTGGAGGAGGAGGAGGAGGCCGAGCGGGAGGAGGCGGCCGAGTGGGCTG
AATGGGCGAGGATGGAGAAAATGATGAGGCCAGTTGAGGTGCGGAAGGAGGAAATCACCTTAAAGCAGGA
GACGCTCAGAGACCTGGAGAAGAAGCTGTGAGATCCAGATCACTGTCTCAGCGGAGCTCCCGCCTTT
ACCAAGGACACTATTGACATCTCCAAGCTGCCCATTTCTACAAAACCAACACACCCAAGGAGGAACACC
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CCCAGCTCTACAACGGGACAGCTGTGCCAGTTTGTCTCCGACTTCTCACCATTGGTGCCCTGCCTG
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GGACCTGTGCAGCAGTTTGAGCAGGAGCAAGAGGTGAAGAAGCAGCAGGAGATCAGAGCCAGGAGAAG
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GATAAACGATGAGGATGATGTGAAAAATCTGGGCAAGGAGGATGAGGATAAGAGCTTCGACATGCCCCAC
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CACCACCTATGAGGACTTGCACTGTACCAATATTTGGAGATAAAGGAGTGGTACCAGAACCGGGAAGAC
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CCAGACTTCTCTCTACCGCCATGCCAGCTTCGGACCCGAGTCAAGAAGCTCACTCTGAGCAGTGCAG
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TGACGCCCCGACATGTGCATCAGCTTCGAGGTGGAGCCCATGGAGCACACCAAGAAGCTGCTTACCAGTA
CGAGGCCATGATGCACCTGAAGAGGGAGGAGAAGCTGTCCAGACATCAGGTCTGGGAGTCAGAGCTGGAG
GTGCTGGAGATTCTGAAGCTTCGAGAGGAAGAGGAGGCGGCGCACACACTGACCATCTCCATCTATGACA
CCAAGCGGAATGAGAAGAGCAAGGAATATCGGGAGGCCATGGAGCGCATGATGCACGAAGAGCACCTGCG
GCAGGTGGAGACCCAGCTGGACTACCTGGCCCCATTCTGGCCAGCTCCCGCCAGGAGAGAACTAACA
TGCTGGCAGGCGGTGCGCTCAAGGATGAGTGCTCAGCGACTTCAAGCAGCGGCTCATCAACAAGGCCA
ACCTCATCCAGGCCCGCTTTGAGAAGGAGACCCAGGAGCTGCAAAAGAAGCAGCAGTGGTACCAGGAGAA
CCAGGTGACGCTGACACCCGAGGATGAAGACCTGTACCTGAGTTACTGCTCTCAGGCCATGTTCCGCATC
CGCATCTGGAGCAGCGCTCAATCGACACAAGGAAGTGGCCCCACTGAAGTACCTGGCTCTGGAGGAAA
AGCTCTACAAGGACCCACGCTGGGGAGCTCCAGAAAATATTCGCTGA
  
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Restriction Sites: SgfI-MluI

ACCN: NM_001289163

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_001289163.1, NP_001276092.1</u>
RefSeq Size:	2731 bp
RefSeq ORF:	2430 bp
Locus ID:	84229
UniProt ID:	<u>Q8IY82</u>
Cytogenetics:	16q21
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] Transcript Variant: This variant (3) differs in the 5' UTR and lacks an in-frame exon in the central coding region, compared to variant 1. The encoded isoform (b) is shorter, compared to isoform a.