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Product datasheet for RC239608

DRC7 (NM_001289163) Human Tagged ORF Clone

Product data:

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

View online »

ORF Nucleotide Sequence:

>RC239608 representing NM_001289163
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGAGGTCCTGAGGGAGAAGGTGGAGGAGGAGGAGGAGGCCGAGCGGGAGGAGGCGGCCGAGTGGGCTG
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Protein Sequence:

>RC239608 representing NM_001289163
Red=Cloning site Green=Tags(s)

MEVLREKVEEEEEAEREEAAEWAEWARMEKMMRPVEVRKEEITLKQETLRDLEKKLSEIQITVSAELPAF
TKDTIDISKLPISYKTNTPKEEHLLQVADNFSRQYSHLCPDRVPLFLHPLNECEVPKFVSTTLRPTLMPY
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SWVEQIEISPEAFETRCPNGKKVIQYKRAKLEKWAPYLNSNGLVSRLTTYEDLQCTNILEIKEWYQNRED
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VLEILKLREEEEAAHTLTISIYDTKRNEKSKEYREAMERMMHEEHLRQVETQLDYLAPFLAQLPPGEKLT
CWQAVRLKDECLSDFKQRLINKANLIQARFEKETQELQKKQQWYQENQVTLTPEDEDLYLSYCSQAMFRI
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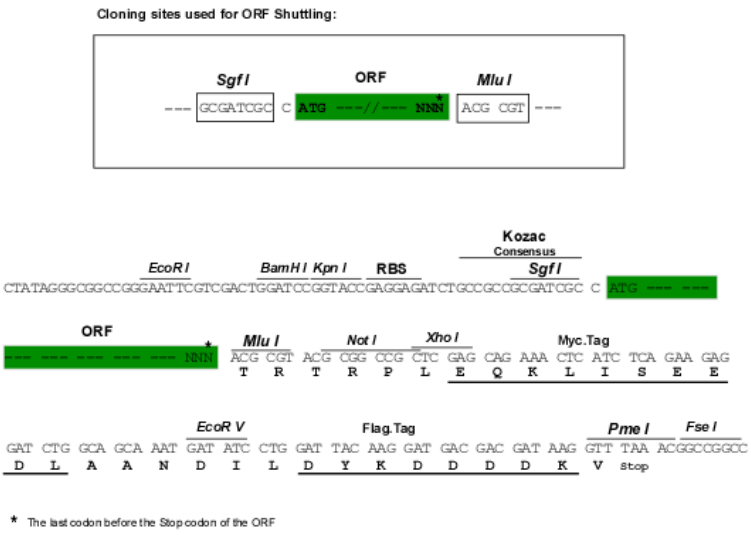
Restriction Sites: SgfI-MluI

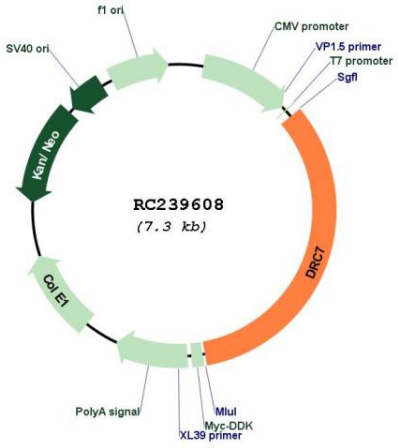
Cloning Scheme:



ACCN:	NM_001289163
ORF Size:	2427 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:	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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	NM_001289163.2
RefSeq Size:	2731 bp
RefSeq ORF:	2430 bp
Locus ID:	84229
UniProt ID:	Q8IY82
Cytogenetics:	16q21
MW:	96.7 kDa
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]

Product images:



Circular map for RC239608