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Product datasheet for RR214381

Dctn4 (NM_053404) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Dctn4 (NM_053404) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Dctn4
Synonyms:	MGC114292
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin

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ORF Nucleotide Sequence:

>RR214381 representing NM_053404
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGCGTCCTTGCTGCAGTCGGAGCGGGTTCTCTATCTCGTCCAAGGAGAAAAGAAGGTTCGGGCCCCGC
TCTCACAGCTCTACTTCTGCCGCTACTGCAGTGAGCTTCGATCGCTGGAATGTGTGTCACACGAGGTGGA
CTCTCATTATTGTCCCAGCTGCTTAGAAAACATGCCATCAGCTGAAGCCAAATTAAAAAAGAATAGATGT
GCCAACTGCTTTGACTGTCCTGGATGCATGCACACCCTCTCCACCCGAGCTACAAGCATCTCCACACAGC
TTCCAGACGACCCAGCCAAAACCACTATGAAGAAAGCCTATTACCTGGCCTGTGGATTTTGTCGATGGAC
ATCTAGAGATGTGGGCATGGCAGACAAATCTGTAGCTAGTGGTGGTTGGCAAGAACCAGAAAATCCTCAT
GCACAACGGATGAACAAATTGATTGAATATTACCAGCAGCTTGCTCAGAAGGAAAAGGTTGAACGAGATC
GCAAGAAACTGGCACGGCGAAGAAATTACATGCCTTTGGCTTTTTCGCAACACACTATTCATGTAGTGGA
CAAGTACAGCCTTGGGACCAGGCTTCAGCGACCACGAGCTGGTGCATCCATTAGTACACTTGCCGGACTT
TCCCTTAGAGAAGGAGAAGACCAGAAGGAGGTAAAGATTGAGCCAGCTCAGGCCGTCGCTGAAGTGGAGC
CTCTGCCTGAAGACTATTACACACGACCAGTGAACCTGACAGAGGTGACCACCCTTCAGCAGCGCCTCTT
ACAGCCTGACCTGCAGCCTGTCTCAGCCTCGCAGCTTTATCCTCGACACAAGCACCTTCTGATCAAACGG
TCCCTGCGCTGTCGGAAATGTGAACACAATTTGAGCAAACCAGAATTTAATCCAACATCTATCAAATTCA
AAATCCAGTTGGTTGCTGTCAATTATATTCCAGAAGTGAGAATCATGTCGATCCCCAATCTTCGCTACAT
GAAGGAAAGCCAGGTCCTCTTGACTCTTACAAATCCAGTGGAGAACCTCACCCATGTAACTCTGCTGGAG
TGCGAAGAGGGGGACCCTGATAACATCAACAGCACTGCTAAGGTGGTGGTGCCTCCCAAAGAGCTCATCT
TAGCCGGCAAGGATGCAGCAGCAGAGTACGATGAGCTGGCAGAGCCCCAGGACTTCCAGGATGACCCTGA
CATTGTAGCTTTCAGAAAAGCCAACAAAGTAGGCATCTTCATCAAAGTCACCCCACAGCGTGAGGAAGGG
GACGTGACCGTGTGCTTCAAGATGAAACATGATTTTAAAAACCTGGCTGCCCCCATCCGCCCTATGGAAG
AAAGCGACCAGGGCACAGAAGTCATTTGGCTCACTCAGCATGTGGAACTGAGCTTTGGCCCTCTTCTTCC
T

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

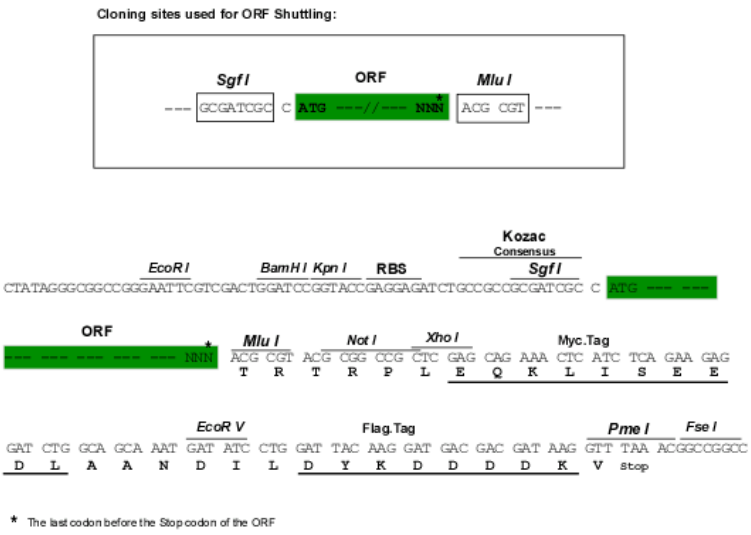
>RR214381 representing NM_053404
Red=Cloning site Green=Tags(s)

MASLLQSERVLYLVQGEKKVRAPLSQLYFCRYCSELRSLECVSHEVDSHYCPSCLENMPSAEAKLKKNRC
ANCFDCPGCMHTLSTRATSISTQLPDDPAKTTMKKAYYLACGFCRWTSRDVGMADKSVASGGWQEPENPH
AQRMNKLIEYYQQLAQKEKVERDRKKLARRRNYMPLAFSQHTIHVVDKYSLGTRLQRPRAGASISTLAGL
SLREGEDQKEVKIEPAQAVAEVEPLPEDYYTRPVNLTEVTTLQQRLLQPDLQPVSASQLYPRHKHLLIKR
SLRCRKCEHNLSKPEFNPTSIKFKIQLVAVNYIPEVRIMSIPNLRYMKESQVLLTLTNPVENLTHVTLLE
CEEGDPDNINSTAKVVVPPKELILAGKDAAAEYDELAEPQDFQDDPDIVAFRKANKVGIFIKVTPQREEG
DVTVCFKMKHDFKNLAAPIRPMEESDQGTEVIWLTQHVELSFGPLLP

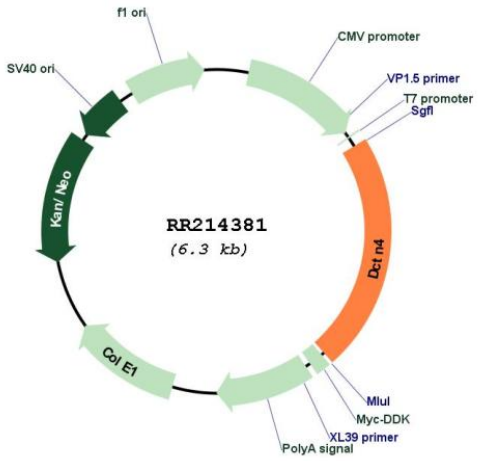
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_053404

ORF Size: 1401 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.
RefSeq:	NM_053404.2, NP_445856.1
RefSeq Size:	1406 bp
RefSeq ORF:	1404 bp
Locus ID:	84428
UniProt ID:	Q9QUR2
Cytogenetics:	18q12.1
MW:	53.1 kDa
Gene Summary:	p62 subunit of the dynactin complex involved in the cytoplasmic dynein motor machinery [RGD, Feb 2006]