

Product datasheet for **RN214381**

Dctn4 (NM_053404) Rat Untagged Clone

Product data:

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



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Fully Sequenced ORF: >RN214381 representing NM_053404
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCGTCTTGCTGCAGTCGGAGCGGGTCTCTATCTCGTCCAAGGAGAAAAGAAGTTCCGGGCCCGC
 TCTCACAGCTCTACTTCTGCCGCTACTGCAGTGAGCTTCGATCGCTGGAATGTGTGTACACGAGGTGGA
 CTCTCATTATTGTCCCAGCTGCTTAGAAAAACATGCCATCAGCTGAAGCCAAATAAAAAGAATAGATGT
 GCCAACTGCTTTGACTGCTCGGATGCATGCACACCTCTCCACCCGAGCTACAAGCATCTCCACACAGC
 TTCCAGACGACCCAGCCAAAACCACTATGAAGAAAGCCTATTACCTGGCCTGTGGATTTTGTGATGGAC
 ATCTAGAGATGTGGCATGGCAGACAACTCTGTAGCTAGTGGTGGTTGGCAAGAACCAGAAAATCCTCAT
 GCACAACGGATGAACAAATTGATTGAATATTACCAGCAGCTTGCTCAGAAGGAAAAGTTGAACGAGATC
 GCAAGAACTGGCAGGGGAAGAAATTACATGCCTTTGGCTTTTTCGCAACACACTATTCATGTAGTGG
 CAAGTACAGCCTTGGGACCAGGCTTCAGCGACCAGAGCTGGTGCATCCATTAGTACACTTGCCGGACTT
 TCCTTAGAGAAGGAGAAGACCAGAAGGAGGTAAGATTGAGCCAGCTCAGGCCCTGCTGAAGTGGAGC
 CTCTGCCTGAAGACTATTACACACGACCAGTGAACCTGACAGAGGTGACCACCTTCAGCAGCGCCTCTT
 ACAGCCTGACCTGCAGCCTGTCTCAGCCTCGCAGCTTTATCCTCGACACAAGCACCTTCTGATCAAACGG
 TCCCTGCGCTGTCCGAAATGTGAACACAATTTGAGCAAACCAGAAATTAATCCAACATCTATCAAATTC
 AAATCCAGTTGGTTGCTGTCAATTATATCCAGAAGTGAGAATCATGTGATCCCAATCTTCGCTACAT
 GAAGGAAAGCCAGGTCTTCTGACTCTTACAAATCCAGTGGAGAACCACCCATGTAACCTGTGTTGGAG
 TGCGAAGAGGGGGACCCTGATAACATCAACAGCACTGCTAAGGTGGTGGTGCCTCCCAAAGAGCTCATCT
 TAGCCGGCAAGGATGCAGCAGCAGAGTACGATGAGCTGGCAGAGCCCAAGGACTTCCAGGATGACCCTGA
 CATTGTAGCTTTTCAGAAAAGCCAAACAAAGTAGGCATCTTCATCAAAGTACCCCCACAGCGTGAGGAAGGG
 GACGTGACCGTGTGCTTCAAGATGAAACATGATTTTAAAAACCTGGCTGCCCCATCCGCCCTATGGAAG
 AAAGCGACCAGGGCACAGAAGTCATTTGGCTCACTCAGCATGTGGAAGTGGCTTTGGCCCTCTTCTTCC
 TTA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul

ACCN: NM_053404

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