

Product datasheet for MR200362

Dnal4 (NM_017470) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: Dnal4 (NM_017470) Mouse Tagged ORF Clone

Tag: Myc-DDK

Symbol: Dnal4

Synonyms: D15Ertd424e; Dnalc4

Mammalian Cell

Selection:

Neomycin

Vector:pCMV6-Entry (PS100001)E. coli Selection:Kanamycin (25 ug/mL)ORF Nucleotide>MR200362 ORF sequence

Sequence: Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC

GCCGCGATCGCC

ATGGGAGAGACTGAAGGGAAGAAAGAGGGAGGCTGACTATAAACGGCTGCAGACCTTCCCCCTGGTCAGGCACTCGGACATGCCAGAGGAGATGCCGCTGGAGACCATGGAGCTGTGTGTCACAGCCTGTGAGAAATTCTCCAACAACAATGAGAGTGCTGCAAAGATGATCAAGGAGACAATGGACAAGAAGTTCGGCTCCTCCTGGCATGTGTGATCGGCGAGGGGGTTTGGGTTTGAGATCACCCACGAGGTGAAGAACCTCCTGTACCTGTACTTCG

GGGGGACCCTGGCCGTGTGTGTGTGGAAGTGCTCC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT

ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR200362 protein sequence

Red=Cloning site Green=Tags(s)

MGETEGKKEEADYKRLQTFPLVRHSDMPEEMRVETMELCVTACEKFSNNNESAAKMIKETMDKKFGSSWH

VVIGEGFGFEITHEVKNLLYLYFGGTLAVCVWKCS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-Mlul



OriGene Technologies, Inc. 9620 Medical Center Drive, Ste 200

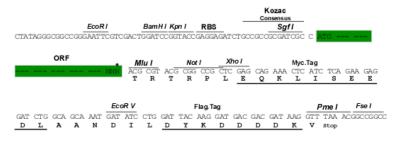
CN: techsupport@origene.cn

Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com



Cloning Scheme:





^{*} The last codon before the Stop codon of the ORF

ACCN: NM_017470

ORF Size: 318 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: <u>NM 017470.2</u>

RefSeq Size: 1492 bp RefSeq ORF: 318 bp



Locus ID: 54152

UniProt ID: Q9DCM4

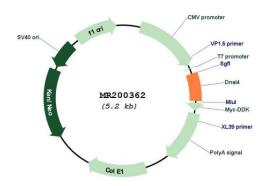
Cytogenetics: 15 37.85 cM

MW: 12 kDa

Gene Summary: Force generating protein of respiratory cilia. Produces force towards the minus ends of

microtubules. Dynein has ATPase activity (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR200362