

## Product datasheet for MC200472

### Dnal4 (NM\_017470) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Dnal4 (NM\_017470) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Dnal4  
**Synonyms:** D15Ert424e; Dnal4  
**Mammalian Cell Selection:** Neomycin  
**Vector:** PCMV6-Kan/Neo (PCMV6KN)  
**E. coli Selection:** Kanamycin (25 ug/mL)

**Fully Sequenced ORF:** >BC005426 sequence for NM\_017470  
GCTGGCTGTGGCCTCGGCTCCGGCCCCCGGGAGCAGCACCCCTTGGGAAAGACATTTCTGCTCCTG  
CCAAGTTGGCAAGGCCTGCTTCCCGAGCCCGTGGGGCGTGTAACTGTTGGGCCAGCACCTCCTGAAAG  
CCCTACTCTCCTCCTGAGGGCACGCTGGGAGGATCATGGGAGAGACTGAAGGGAAGAAAGAGGAGGCTGA  
CTATAAACGGCTGCAGACCTTCCCCTGGTCAGGCACTCGGACATGCCAGAGGAGATGCGCGTGGAGACC  
ATGGAGCTGTGTGTACAGCCTGTGAGAAATTCTCCAACAACAATGAGAGTGCTGCAAAGATGATCAAGG  
AGACAATGGACAAGAAGTTCGGCTCCTCCTGGCATGTGGTGTGCGCGAGGGGTTGGGTTTGGATCAC  
CCACGAGGTGAAGAACCTCCTGTACTTCCGGGGGACCCTGGCCGTGTGTGTGGAAAGTGTCTCC  
TGACCCCATCCCTGCAGCTCTCCCGCTGTCTTGGGCTGGGGGGGGGGCTCCCAGGCTCCCTAG  
GCAGAGCTGGCTCTCAAGGAGAGTCAAGTCTTTCTTTTGTCTTGTGTACAGTTTCTGAGCCG  
ACCCAGAGTGTCCACTTGGTGACCTCTCCATGCCAGGCTCCCCGTGGTGTCTCCAAGCTCTGAGCTGT  
GGACAGGCATCTCTGTGTGCATGAGGGGTGGGTGTGGCAGGTGAGAGGGTGAAGCACGGGATTCTCTC  
CTTGAAATGGACTGGTCCCACCTTCCATCCCAGCAGCCTCAAAGCCCTTCTGCCCAAGGACTGCTGGGA  
AGTATCTCCTGCCCTTGTGTAGTGGCATGTGGAATCAGCCGGAGACTCCTCTCATGAGACACAGGGC  
AAGGCTCTCCTTTTCACTGGGAAGGAGTTCCTCTCCCCTTCCCAGCCTGACCCGGGACTGAACAGCC  
CACCACATCTTACTGGACCAGCCATTACAGCCCTGGCATTGGCCGAGGATCACACAGTCTTCTGTCC  
CCTTCTCCCAGCCCGGGCCACATGAACCTTTTACACCCCTTCCACCAGAAGTGTGCGTGGCCGAGGCTG  
GTGCGGTGGTGTAGAGCAACTTGTCAAAGTGTGCTGAGCTCCCGGTGAGACACCTGGCCAGGAGTGAT  
CTCACCCTGAGGCCCGTTAGCAGGAAACCTGGCCTGCCAGGACTTCATCAGGGACCGCATGCGATTT  
GTACTTCTACCTTGTGGCTTTTCTAGATTCTTTTGTAGTGTGGGAAGAAGGGTTTTAGTAGAAGGGT  
AATCATATTTTACACAGCGGTCTTATTTATATAAACGCTTTGGTTTTTACAATTAACGACCAAAAACT  
AAA

**Restriction Sites:** RsrII-NotI  
**ACCN:** NM\_017470  
**Insert Size:** 318 bp



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<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">BC005426</a> , <a href="#">AAH05426</a>
<b>RefSeq Size:</b>	1453 bp
<b>RefSeq ORF:</b>	318 bp
<b>Locus ID:</b>	54152
<b>UniProt ID:</b>	<a href="#">Q9DCM4</a>
<b>Cytogenetics:</b>	15 37.85 cM
<b>Gene Summary:</b>	Force generating protein of respiratory cilia. Produces force towards the minus ends of microtubules. Dynein has ATPase activity (By similarity).[UniProtKB/Swiss-Prot Function]