

Product datasheet for **MG200362**

Dnal4 (NM_017470) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Dnal4 (NM_017470) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Dnal4
Synonyms: D15Ert424e; Dnal4
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG200362 representing NM_017470
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGGAGAGACTGAAGGGAAGAAAGAGGAGGCTGACTATAAACGGCTGCAGACCTTCCCCCTGGTCAGGC
ACTCGGACATGCCAGAGGAGATGCGCGTGGAGACCATGGAGCTGTGTGTACAGCCTGTGAGAAATTCTC
CAACAACAATGAGAGTGTGCAAGATGATCAAGGAGACAATGGACAAGAAGTTCGGCTCCTCCTGGCAT
GTGGTATCGGCGAGGGTTTGGGTTTGGATCACCCACGAGGTGAAGAACCTCCTGTACCTGTACTTCG
GGGGACCTGGCCGTGTGTGTGGAAGTGCTCC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG200362 representing NM_017470
Red=Cloning site Green=Tags(s)
MGETEGKKEEADYKRLQTFPLVRHSDMPEEMRVETMELCVTACEKF SNNNESAAKMIKETMDKKFGSSWH
VVIGEGFGFEITHEVKNLLYLYFGGTLAVCVWKCS

TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-MluI

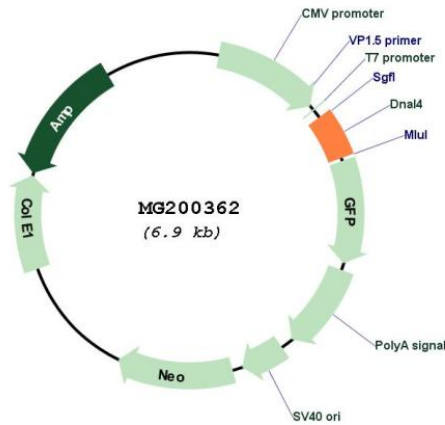


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Cloning Scheme:



Plasmid Map:



ACCN: NM_017470

ORF Size: 315 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:	<ol style="list-style-type: none">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_017470.2
RefSeq Size:	1447 bp
RefSeq ORF:	318 bp
Locus ID:	54152
UniProt ID:	Q9DCM4
Cytogenetics:	15 37.85 cM
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]