

Product datasheet for **MR224823**

Dnali1 (NM_175223) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Dnali1 (NM_175223) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Dnali1
Synonyms: 1700023A09Rik; AW049135
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR224823 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGATACCCCCAGCAGACTCTCTGCTCAAATATGACACCCCGGTGTTGGTGAGCCGGAATACAGAGAAAC
GGAGCCCCACGGCTCGGCCACTGAAAGTCACCATCCAGCAGCCTGGACCCTCTAGTACAAGCCCACAGCC
ACCCAAGGCCAAGCTGCCCTCAACTTCCTGTGTCCAGATCCTACCAAACAGGCAGAAGAAATCTTAAAT
GCCATCTGCCTCAAGGGAGTGGGTGGAAGACACACAGCTATGGATCCAGCAGGTGTCCAGCACACCCA
GCACCAGAATGGATGTGGTGCATCTCCAGGAGCAGCTGGACCTGAAGCTGCAGCAGAGGCAGGCCAGGGA
GACAGGCATCTGCCCTGTGCGCAGGGAAGTCTACTCCCAGTGTTTTGAAGACGAAGTATCCGGGAGGTC
ACCATCAACTGCGCAGAGAGAGGGCTGCTGTTGCTGCGTGTCCGGGACGAGATCCACATGACCATCGCTG
CCTACCAGACTCTGTATGAGAGCAGCGTGGCATTGGCATGAGGAAGGCACTGCAGGCCGAACAGGGGAA
GTCAGACATGGAGAGGAAAATTACAGAATTGGAGACAGAAAAGAGGGACTTGGAGAGGCAAGTGAATGAA
CAGAAGGCGAAATGCGAGGCCACCGAGAAGCGGGAGAGTGAGAGGCGACAGGTGGAGGAGAAGAAGCACA
ACGAGGAGATCCAGTTCCTGAAACGGACCAACCAAGCAACTGAAGGCCAACTGGAAGGCATTATCGCACC
GAAGAAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR224823 protein sequence
 Red=Cloning site Green=Tags(s)

MIPPADSLKDYDTPVLVSRNTEKRSPTARPLKVTIQQPGSPSTSPQPPKAKLPSTSCVPDPTKQAEIILN
 AILPPREWVEDTLWIQQVSSSTPSTRMDVVHLQEQLDLKLQQRQARETGICPVRELYSQCFEDELIREV
 TINCAERGLLLLVRDEIHMTIAAYQTL YESSVAFGMRKALQAEQKSDMERKITELETEKRDLERQVNE
 QKAKCEATEKRESERRQVEEKHNEEIQFLKRTNQLKAQLEGIAPKK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_175223

ORF Size: 780 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_175223.1](#), [NM_175223.2](#), [NM_175223.3](#), [NM_175223.4](#), [NP_780432.1](#)

RefSeq Size: 2086 bp

RefSeq ORF: 777 bp

Locus ID: 75563

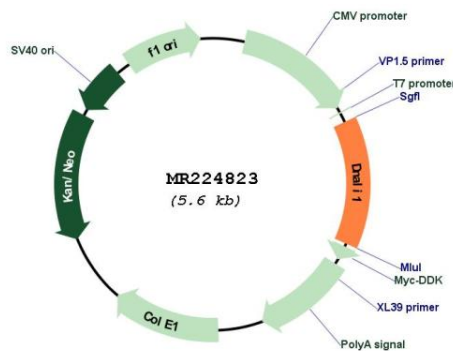
UniProt ID: [Q8BVN8](#)

Cytogenetics: 4 D2.2

MW: 29.8 kDa

Gene Summary: May play a dynamic role in flagellar motility.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR224823